

HISTORY INFORMATION FOR THE FOLLOWING MANUAL:

SERVICE MANUAL

BA-4D CHASSIS

<u>MODEL NAME</u>	<u>REMOTE COMMANDER</u>	<u>DESTINATION</u>	<u>CHASSIS NO.</u>
KV-27S42	RM-Y165	US	SCC-S27H-A
KV-27S42	RM-Y165	CND	SCC-S28F-A
KV-27S46	RM-Y167	US	SCC-S27K-A
KV-27S66	RM-Y167	US	SCC-S27L-A
KV-27S66	RM-Y167	CND	SCC-S28G-A
KV-29AL42	RM-Y165	E	SCC-S25U-A
KV-29AL42C	RM-Y165	E	SCC-S25Y-A
KV-29AL66	RM-Y167	E	SCC-S25T-A
KV-29AL66C	RM-Y167	E	SCC-S25V-A
KV-29SL42	RM-Y165	E	SCC-S25W-A
KV-29SL42C	RM-Y165	E	SCC-S25S-A
KV-29SL46	RM-Y167	E	SCC-S25X-A
KV-29XL42M	RM-Y165	MX	SCC-S26C-A
KV-29SL43	RM-Y165	E	SCC-S55C-A
KV-29SL43C	RM-Y165	E	SCC-S55D-A

ORIGINAL MANUAL ISSUE DATE: 4/1999

REVISION DATE	REVISION TYPE	SUBJECT
4/1999		No revisions or updates are applicable at this time.
6/1999	CORRECTION-1	Updated CRT Part Number for KV-27S66
9/1999	CORRECTION-2	Updated DY Part Number
5/2001	SUPPLEMENT-1	New Model Added: KV-29SL43
8/2001	SUPPLEMENT-2	New Model Added: KV-29SL43C
8/2001	CORRECTION-3	Updated Part Number for Q550 (Pg. 55)
9/2003	CORRECTION-4	Added Connection Point to A Board Schematic (Replaced Pg. 31, 32, 33, & 34) Updated History Information page (Replaced Pg. 1) Updated last page to reflect new service manual part number (Replaced last page)

TRINITRON® COLOR TELEVISION
SONY®

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KV-27S66	RM-Y167	CND	SCC-S28G-A
KV-29AL42	RM-Y165	E	SCC-S25U-A
KV-29AL42C	RM-Y165	E	SCC-S25Y-A
KV-29AL66	RM-Y167	E	SCC-S25T-A
KV-29AL66C	RM-Y167	E	SCC-S25V-A
KV-29SL42	RM-Y165	E	SCC-S25W-A
KV-29SL42C	RM-Y165	E	SCC-S25S-A
KV-29SL46	RM-Y167	E	SCC-S25X-A
KV-29XL42M	RM-Y165	MX	SCC-S26C-A



KV-29AL66



RM-Y167

SPECIFICATIONS

	KV-27S42	KV-27S46 KV-27S66	KV-29AL42 KV-29AL42C	KV-29AL66C KV-29AL66	KV-29SL46 KV-29XL42M KV-29SL42 KV-29SL42C
Power Requirements	120V,60Hz	120V,60Hz	120-220V 50/60Hz	120-220V 50/60Hz	120-220V 50/60Hz
Number of input/outputs					
Video ¹⁾	1	2	2	3	1, 2(KV-29SL46)
S Video ²⁾	1	1	1	1	1
Audio ³⁾	1	2	2	3	1, 2(KV-29SL46)
Audio Out ⁴⁾	1	1	1	1	1
Monitor Out	-	-	-	1	-
Speaker Output(W)	5WX2	5WX2	10WX2	10WX2	5WX2
Power Consumption(W)		150W (KV-27S66) 140W (KV-27S46)	170W 3W	180W 3W	140W 3W
Dimensions(W/H/D) (mm)	660.4X598 X505.5mm	660.4X598 X505.5mm	767.4X579.7 X547.7mm	767.4X579.7 X547.7mm	660.4X598 X505.5mm
(in.)	26x23 ^{9/16} x20in	26x23 ^{9/16} x20in	30 ^{1/4} X22 ^{7/8} x21 ^{5/8} in	30 ^{1/4} X22 ^{7/8} x21 ^{5/8} in	26x23 ^{9/16} x20in
Mass (Kg) (lbs)	39kg 86lbs	39kg 86lbs	42kg 93lbs	42kg 93lbs	39kg 86lbs

Television system

American TV standard/NTSC

Channel coverage

VHF:2-13 / UHF:14-69 / CATV:1-125

Picture tube

Trinitron® tube

Visible screen size

27-inch picture measured diagonally
29-inch picture measured diagonally

Antenna

75 ohm external antenna terminal for VHF/UHF

Supplied accessories

Remote Commander with 2 size AA (R6) batteries

RM-Y167 (KV-29AL66/29AL66C/29SL46/27S46/27S66)

RM-Y165 (KV-29AL42/29AL42C/27S42/29XL42M/29SL42/29SL42C)

Optional accessories

Connecting

Cables: VMC-810S/820S, VMC-720M.
YC-15V/20V, RK-74A

TV Stand: SU-27A4

U/V Mixer: EAC-66

¹⁾ 1 Vp-p 75 ohms unbalanced, sync negative

²⁾ Y: 1 Vp-p 75 ohms unbalanced, sync negative

C: 0.286 Vp-p (Burst signal), 75 ohms

³⁾ 500 mVrms (100% modulation), Impedance: 47 kilohms

⁴⁾ More than 408 mVrms at the maximum volume setting (variable)

More than 408 mVrms (fix); Impedance: 5 kilohms

(●) SRS (SOUND RETRIEVAL SYSTEM)

The (●) SRS (SOUND RETRIEVAL SYSTEM) is manufactured by Sony Corporation under license from SRS Labs, Inc. It is covered by U.S. Patent No. 4,748,669. Other U.S. and foreign patents pending.

The word 'SRS' and the SRS symbol (●) are registered trademarks of SRS Labs, Inc.

BBE and BBE symbol are trademarks of BBE Sound, Inc. and are licensed by BBE Sound, Inc. under U.S. Patent No. 4,638,258 and 4,482,866.

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WARNINGS AND CAUTIONS

CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS. THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK Δ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS, AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL FOR SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

ATTENTION

ATTENTION!!

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION!!

AFIN D'EVITER TOUT RESQUE D'ELECTROCUTION PROVENANT D'UN CHASSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISE LORS DE TOUT DEPANNAGE. LE CHASSIS DE CE RECEPTEUR EST DIRECTEMENT RACCORDE A L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS A LA SECURITE!!

LES COMPOSANTS IDENTIFIES PAR UNE TRAME ET PAR UNE MARQUE Δ SUR LES SCHEMAS DE PRINCIPE, LES VUES EXPLOSEES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMERO DE PIECE EST INDIQUE DANS LE PRESENT MANUEL OU DANS DES SUPPLEMENTS PUBLIES PAR SONY. LES REGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT SONT IDENTIFIES DANS LE PRESENT MANUEL. SUIVRE CES PROCEDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT SUSPECTE.

SELF-DIAGNOSTIC FUNCTION

The units in this manual contain a self-diagnostic function. If an error occurs, the STANDBY/TIMER LED will automatically begin to flash. The number of times the LED flashes translates to a probable source of the problem. A definition of the STANDBY/TIMER LED flash indicators is listed in the instruction manual for the user's knowledge and reference. If an error symptom cannot be reproduced, the Remote Commander can be used to review the failure occurrence data stored in memory to reveal past problems and how often these problems occur.

Diagnostic Test Indicators

When an error occurs, the STANDBY/TIMER LED will flash a set number of times to indicate the possible cause of the problem. If there is more than one error, the LED will identify the first of the problem areas.

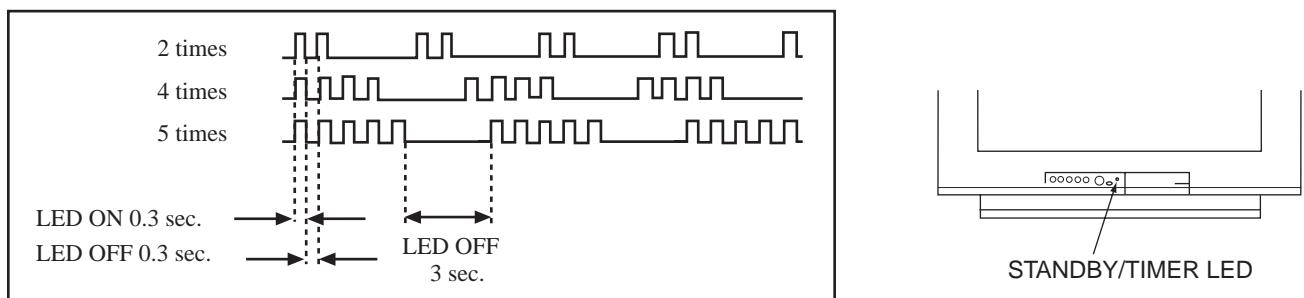
Results for all of the following diagnostic items are displayed on screen. No error has occurred if the screen displays a "0".

Diagnostic Item Description	No. of times STANDBY/TIMER lamp flashes	Display/ Diagnostic result	Probable Cause Location	Detected Symptoms
* Power does not turn on	Does not light		* Power cord is not plugged in. * Fuse is burned out (F5050) (E Board)	* Power does not come on. * No power is supplied to the TV. * AC power supply is faulty.
* +B overcurrent (OCP)	2 times	2:0 or 2:1	* H.OUT (Q502) is shorted. (A board) * IC1751 is shorted. (C board) * IC1701 is shorted. (CV board)	* Power does not come on. * Load on power line is shorted.
* Vertical deflection stopped*	4 times	4:0 or 4:1	* +13V is not supplied. (A board) * IC 541 is faulty (A board)	* Has entered standby state after horizontal raster. * Vertical deflection pulse is stopped. * Power line is shorted or power supply is stopped.
* White balance failure (not balanced)	5 times	5:0 or 5:1	* Video OUT (Q306 to 308) is faulty. (A bd) * IC301 is faulty. (A board) * G2 is improperly adjusted**.	* No raster is generated. * CRT cathode current detection reference pulse output is small.

* If a +B overcurrent is detected, stoppage of the vertical deflection is detected simultaneously. The symptom that is diagnosed first by the microcontroller is displayed on the screen.

** Refer to Screen (G2) Adjustment in Section 3-4 of this manual.

Display of Standby/Timer LED Flash Count



Diagnostic Item

Diagnostic Item	Flash Count*
+B overcurrent	2 times
Vertical deflection stopped	4 times
White balance failure	5 times

*One flash count is not used for self-diagnostic.

Stopping the Standby/Timer LED Flash

Turn off the power switch on the TV main unit or unplug the power cord from the outlet to stop the STANDBY/TIMER LAMP from flashing.

Self-Diagnostic Screen Display

For errors with symptoms such as “power sometimes shuts off” or “screen sometimes goes out” that cannot be confirmed, it is possible to bring up past occurrences of failure on the screen for confirmation.

To Bring Up Screen Test

In standby mode, press buttons on the Remote Commander sequentially, in rapid succession, as shown below:

Display → Channel [5] → Sound volume [+] → Power ON
 ↑

Note that this differs from entering the service mode (sound volume [+]).

Self Diagnostic Screen Display

SELF DIAGNOSTIC		
2:	0	Numeral “0” means that no fault was detected.
3:	N/A	0
4:	0	
5:	1	Numeral “1” means a fault was detected one time only.
101:	N/A	0

Handling of Self-diagnostic Screen Display

Since the diagnostic results displayed on the screen are not automatically cleared, always check the self-diagnostic screen during repairs. When you have completed the repairs, clear the result display to “0”.

Unless the result display is cleared to “0”, the self-diagnostic function will not be able to detect subsequent faults after completion of the repairs.

Clearing the Result Display

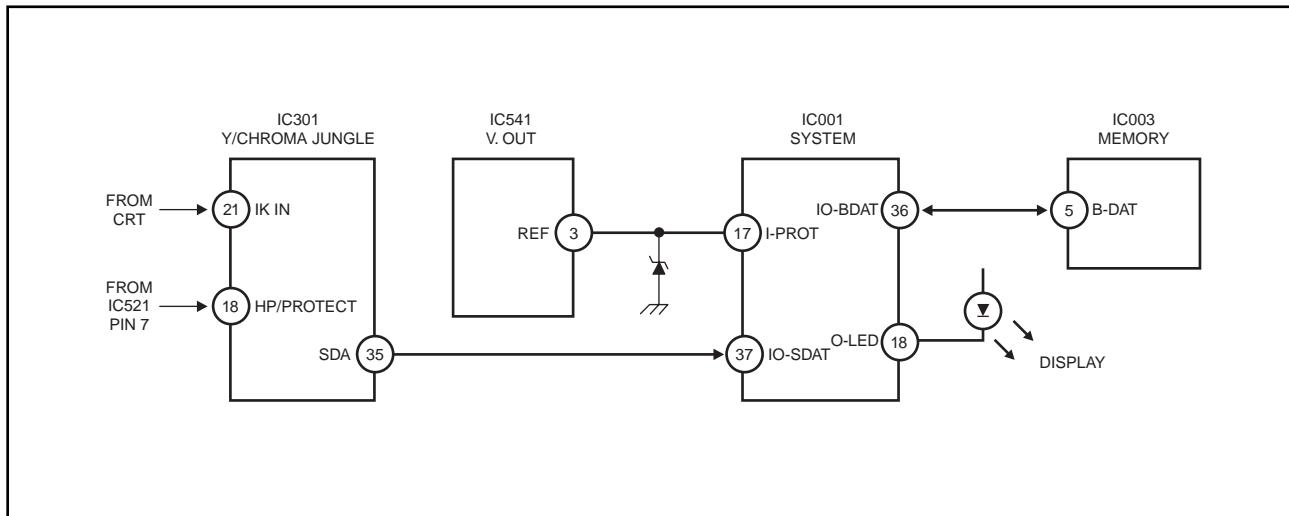
To clear the result display to “0”, press buttons on the Remote Commander sequentially when the diagnostic screen is displayed, as shown below:

Channel [8] → [ENTER]

Quitting the Self-Diagnostic Screen

To quit the entire self-diagnostic screen, turn off the power switch on the Remote Commander or the main unit.

Self-diagnostic Circuit



+B overcurrent (OCP)

Occurs when an overcurrent on the +B (115V) line is detected by pin 18 of IC301. If the voltage of pin 18 of IC 301 is less than 1V when V.SYNC is more than seven verticals in a period, the unit will automatically turn off.

Vertical deflection stopped

Occurs when an absence of the vertical deflection pulse is detected by pin 17 of IC001. Power supply will shut down when waveform interval exceeds 2 seconds.

White balance failure

If the RGB levels* do not balance within 2 seconds after the power is turned on, this error will be detected by IC301. TV will stay on, but there will be no picture.

*(Refers to the RGB levels of the AKB detection Ref pulse that detects 1K.)

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or touching high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cords for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the B+ and HV to see if they are specified values. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
8. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

Leakage Test

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampere). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instructions.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low voltage scale. The Simpson's 250 and Sanwa SH-63Trd are examples of passive VOMs that are suitable. Nearly all battery-operated digital multimeters that have a 2 VAC range are suitable (see Figure A).

How to Find a Good Earth Ground

A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60- to 100-watt trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side on the line; the lamp should light at normal brilliance if the screw is at ground potential (see Figure B).

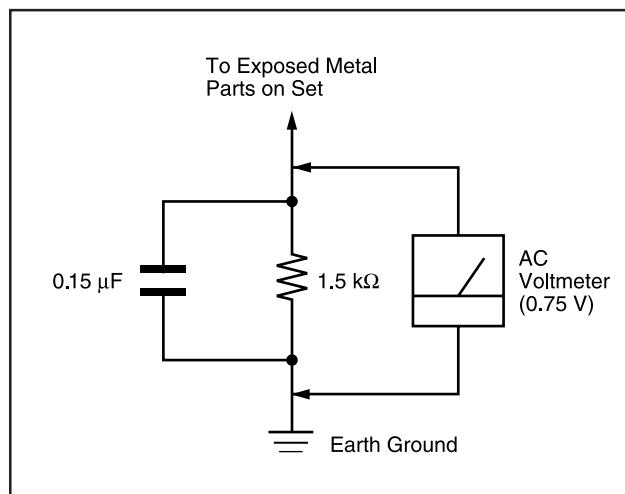


Figure A. Using an AC voltmeter to check AC leakage.

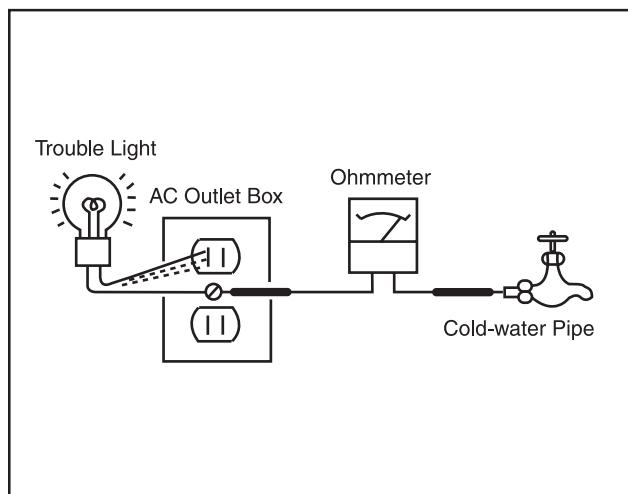


Figure B. Checking for earth ground.

SECTION 1 GENERAL

The following are partial abstracts from the Operating Instruction Manual. The page numbers shown reflect those of the Operating Instruction Manual.

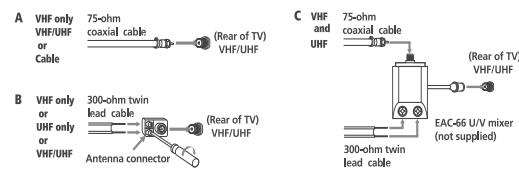
Connecting Your TV

This section covers basic connections in addition to any optional equipment you may be connecting.

Basic Connections

TV with indoor or outdoor antenna, or CATV cable

Depending on the cable available in your home, choose one of the connections:

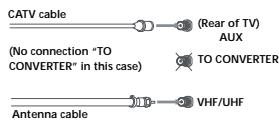


If you are connecting to an indoor or outdoor antenna, it will be necessary to adjust the orientation of the antenna for best reception.

Cable and antenna

KV-27S66, 27V66 only

If your cable provider does not feature local channels, you may find this set up convenient.

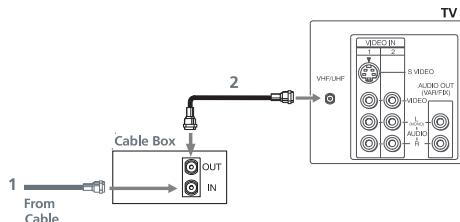


Select CABLE or ANT mode by pressing on the remote control.

3

Connecting Your TV

TV and Cable Box



- 1 Connect the coaxial cable from the wall to the IN jack on your cable box.
- 2 Connect a coaxial cable (not supplied) from the OUT jack on your cable box to the VHF/UHF IN jack on the TV.

To view channels from your cable box, tune your TV to channel 3 or 4 (as set on the rear panel of your cable box).

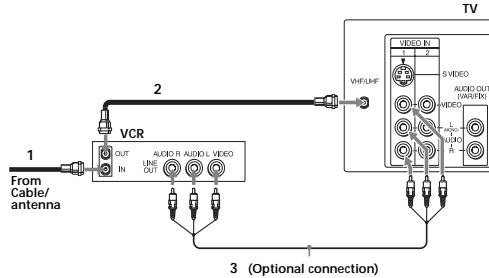
If you will be controlling all channel selection through your cable box, you should consider using the CHANNEL FIX feature on page 24.

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User Guide

Connecting Additional Equipment

TV and VCR



! VCR must be connected and turned on to operate PIP. (KV-27S46 only)

- 1 Connect the coaxial cable from your TV antenna or cable TV to the IN jack on your VCR.
- 2 Connect a coaxial cable (not supplied) from the OUT jack on your VCR to the VHF/UHF IN jack on the TV.

To watch video programs from your VCR, tune your TV to channel 3 or 4 (as set on the rear of your VCR).

(Optional connection)

- 3 If your VCR is equipped with video inputs, for better picture quality you should connect A/V cables to AUDIO and VIDEO OUT on your VCR to AUDIO/VIDEO IN on your TV. You can use the button to switch between the TV and VCR inputs.

For optimum picture quality, use S VIDEO instead of the yellow A/V cable. S VIDEO does not provide sound, the audio cables must still be connected.

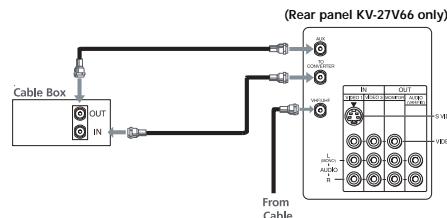
4

User Guide

TV, Cable box and Cable

KV-27S66, 27V66 only

For this set up, you can switch between scrambled channels (through your cable box), and normal (CATV) channels by pressing on your remote control.

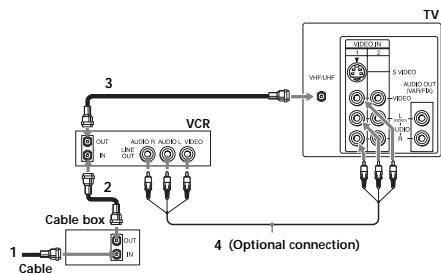


When using PIP, the AUX input cannot be viewed in the window picture.

6

Connecting Your TV

TV, VCR, and Cable box



- 1 Connect the coaxial cable from the wall to the IN jack on your cable box.
- 2 Connect a coaxial cable (not supplied) from the OUT jack on your cable box to the IN jack on your VCR.
- 3 Connect a coaxial cable (not supplied) from the OUT jack on your VCR to the VHF/UHF IN jack on the TV.

If you will be controlling all channel selection through your cable box, you should consider using the CHANNEL FIX feature on page 24.

(Optional connection)

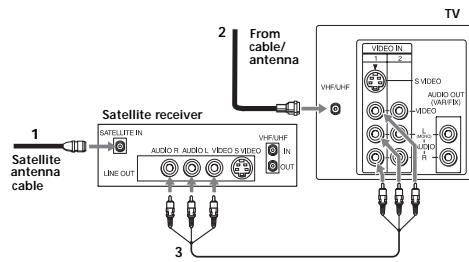
- 4 If your VCR is equipped with video inputs, for better picture quality you should connect A/V cables to AUDIO and VIDEO OUT on your VCR to AUDIO/VIDEO IN on your TV. You can use the button to switch between the TV and VCR inputs.

For optimum picture quality, use S VIDEO instead of the yellow A/V cable. S VIDEO does not provide sound, your audio cables must still be connected.

7

User Guide

TV and Digital Satellite Receiver



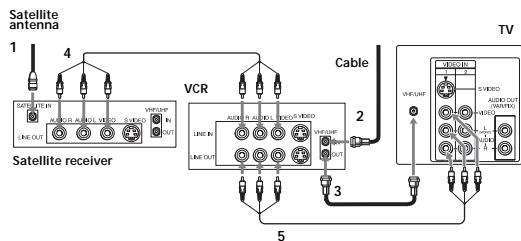
- 1 Connect the cable from your satellite antenna to SATELLITE IN on the satellite receiver.
- 2 Attach the coaxial connector from your cable or antenna to VHF/UHF IN on your TV.
- 3 Using A/V connectors, connect AUDIO and VIDEO OUT on your satellite receiver to AUDIO and VIDEO IN on your TV. You can use the button to switch between the satellite receiver and the TV.

For optimum picture quality, use S VIDEO instead of the yellow A/V cable. S VIDEO does not provide sound, your audio connectors must still be connected.

8

Connecting Your TV

TV, Digital Satellite Receiver and VCR



- 1 Connect the cable from your satellite antenna to SATELLITE IN on the satellite receiver.
- 2 Attach the coaxial connector from your cable or antenna to VHF/UHF IN on your VCR.
- 3 Using a coaxial cable, connect VHF/UHF OUT on your VCR to VHF/UHF IN on your TV.
- 4 Using A/V connectors, connect AUDIO and VIDEO OUT on your satellite receiver to AUDIO and VIDEO IN on your VCR.
- 5 Using A/V connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV.

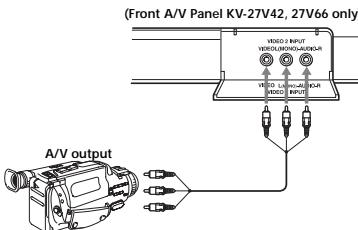
To view from the satellite or VCR, select the video input to which your satellite receiver or VCR is connected by pressing on the remote control.

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User Guide

Connecting a Camcorder

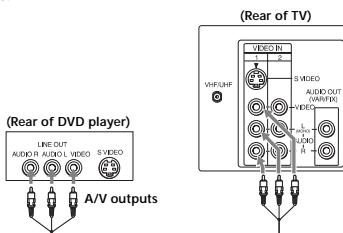
Using A/V cables, connect AUDIO and VIDEO OUT on your camcorder to AUDIO and VIDEO IN on your TV.



Connection can also be made to the rear A/V panel of your TV.

Connecting a DVD Player

Using A/V connectors, connect LINE OUT on your DVD to VIDEO IN on your TV.



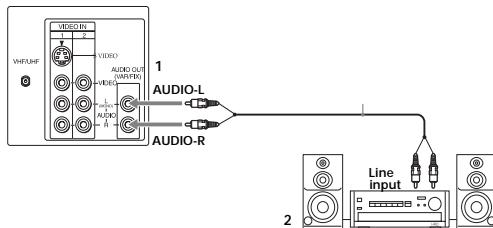
For optimum picture quality, use S VIDEO instead of the yellow A/V cable. S VIDEO does not provide sound, your audio connectors must still be connected.

10

Connecting Your TV

Connecting an audio system

Using audio connectors, connect AUDIO OUT on your TV to one of the unused line inputs (e.g. TV, AUX, TAPE 2) on your stereo.



Set your stereo to the chosen line input. (See page 20 for additional audio setup instructions.)

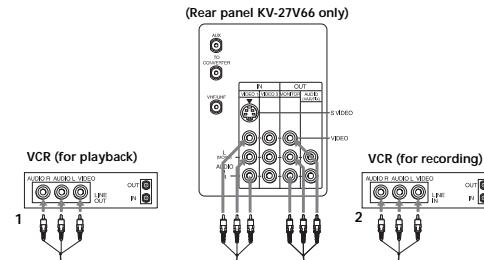
11

User Guide

Connecting two VCRs for Tape Editing

KV-27V42, 27V66 only

MONITOR OUT gives you the ability to use a second VCR to record a program being played by the primary VCR to perform tape editing.



To perform tape editing: set the TV to the video input intended for playback by pressing on the remote control.

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User Guide

Troubleshooting

If you are having a problem with your TV, try the suggestions below. If the problem persists, contact your nearest Sony dealer.

Cannot operate single tuner Make sure the VCR is connected correctly (see page 4).
 Check to see if the VCR is on.
 Make sure your remote control is programmed to operate your VCR (see page 31).

No picture, no sound Make sure the power cord is plugged in.
 If a red light is flashing on the front of your TV for more than a few minutes, call your local service center.
 Check the TV/VIDEO settings: when watching TV, set to TV; when watching video equipment, set to VIDEO (page 19).
 Make sure the batteries have been inserted correctly into the remote control.
 Check your PARENTAL CONTROL settings (pages 28-29).
 Try another channel, it could be station trouble.

Poor or no picture, good sound Adjust PICTURE in the VIDEO menu (page 19).
 Adjust BRIGHTNESS in the VIDEO menu (page 19).
 Check the antenna and/or cable connections (page 3).

Good picture, no sound Press so that MUTING disappears from the screen (page 13).
 Check your AUDIO settings. Your TV may be set to SAP (page 21).

No color Adjust COLOR in the VIDEO menu (page 19).

Only snow appears on the screen Check the CABLE setting in the CHANNEL SET UP menu (page 24).
 Check the antenna and/or cable connections (page 3).
 Make sure the channel selected is currently broadcasting.
 Press the button on the remote control.

Other Information

Dotted lines or stripes Adjust the antenna.
 Move the TV away from other electronic equipment. Some electronic equipment can create electrical noise, which can interfere with TV reception.

Double images or ghosts Check your outdoor antenna or call your cable service.

Cannot receive higher number channels (UHF) when using an antenna Make sure CABLE is set to OFF in the CHANNEL SET UP menu (page 24).
 Use AUTO PROGRAM to add channels that are not presently in the memory (page 24).

Cable stations don't seem to work Make sure CABLE is set to ON in the CHANNEL SET UP menu (page 24).
 Use AUTO PROGRAM to add channels that are not presently in the memory (page 24).

Remote Control does not operate Batteries could be weak. Replace them (page 2).
 Move the TV 3-4 feet away from fluorescent lights.

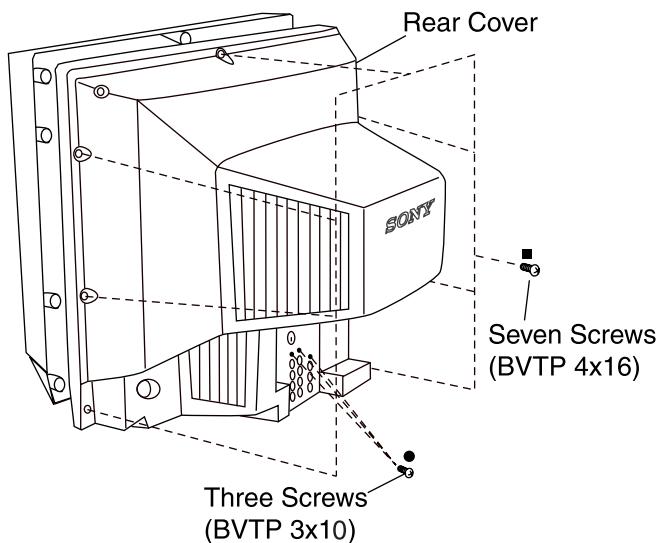
The TV needs to be cleaned Clean the TV with a soft dry cloth. Never use strong solvents such as thinner or benzine, which might damage the finish of the cabinet.

Lost password for PARENTAL CONTROL In the password screen, enter the following master password: 4357. After using the master password, you must create a new password, it cannot be used to unlock currently blocked channels.

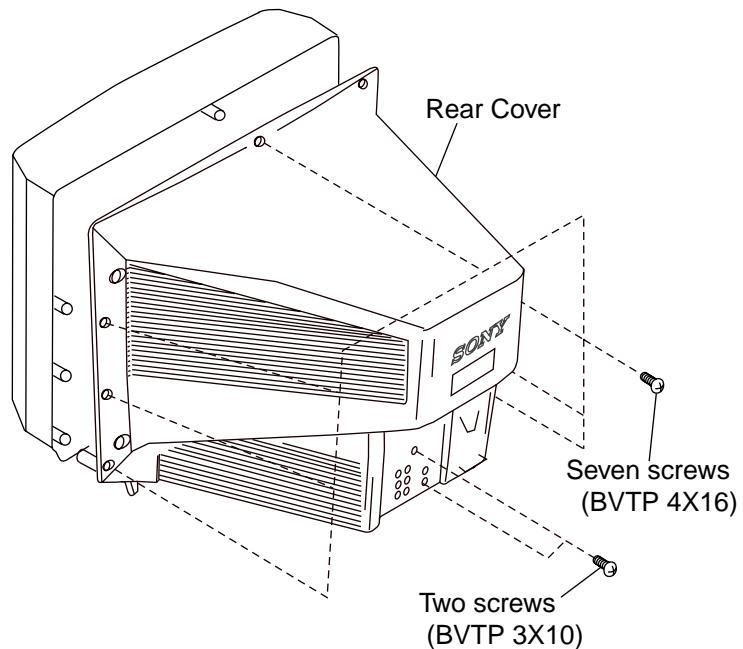
If, after reading these operating instructions, you have additional questions related to the use of your Sony television, please call our Direct Response Center at 1-800-222-SONY (7669) (U.S. residents only) or (416) 499-SONY (7669) (Canadian residents only).

SECTION 2 DISASSEMBLY

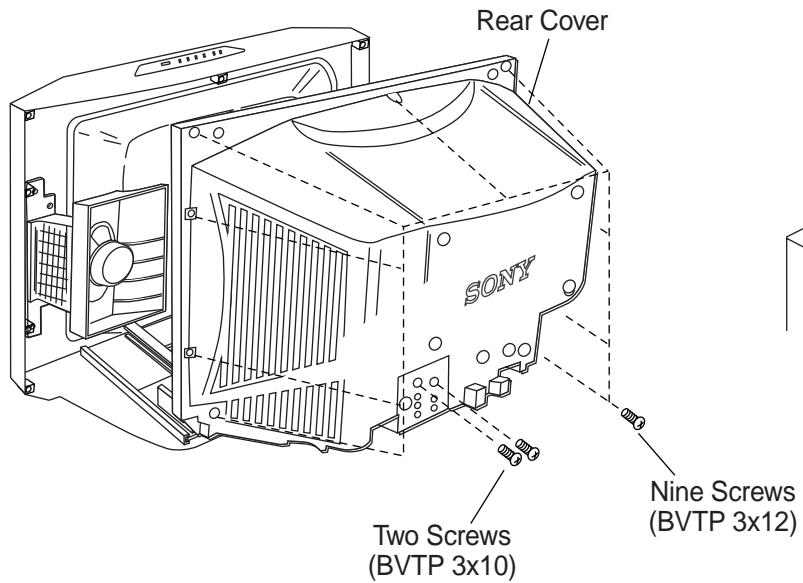
2-1. REAR COVER REMOVAL (KV-27S46/27S66)



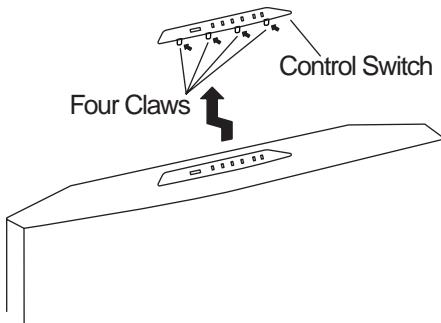
2-2. REAR COVER REMOVAL (KV-29SL42/29SL42C/29SL46/29XL42M)



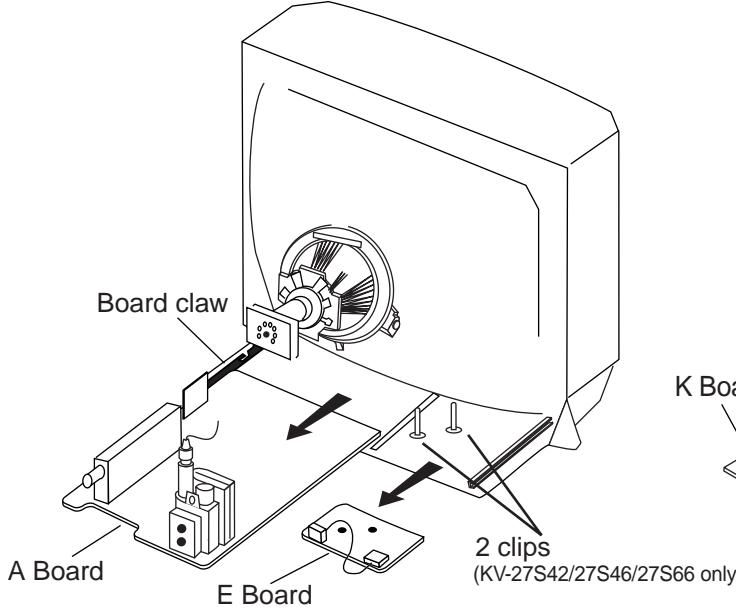
2-3. REAR COVER REMOVAL (KV-29AL42/29AL42C/29AL66/29AL66C)



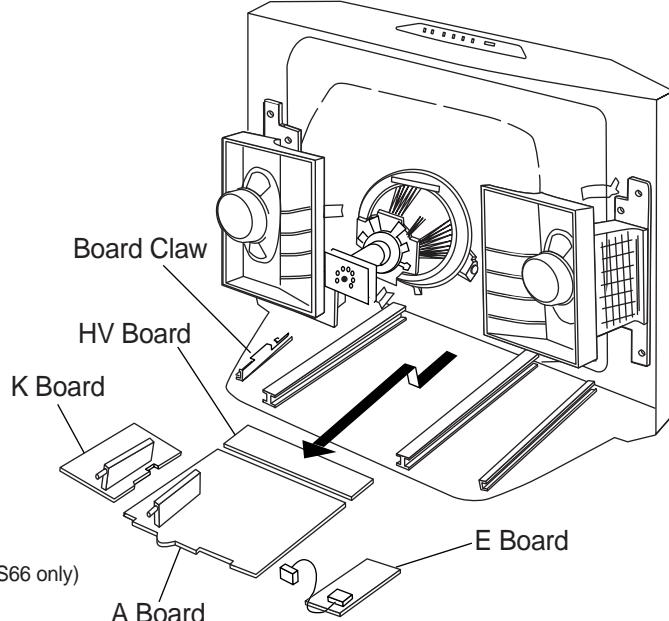
2-4. CONTROL SWITCH REMOVAL (KV-29AL42/29AL42C/29AL66/29AL66C)



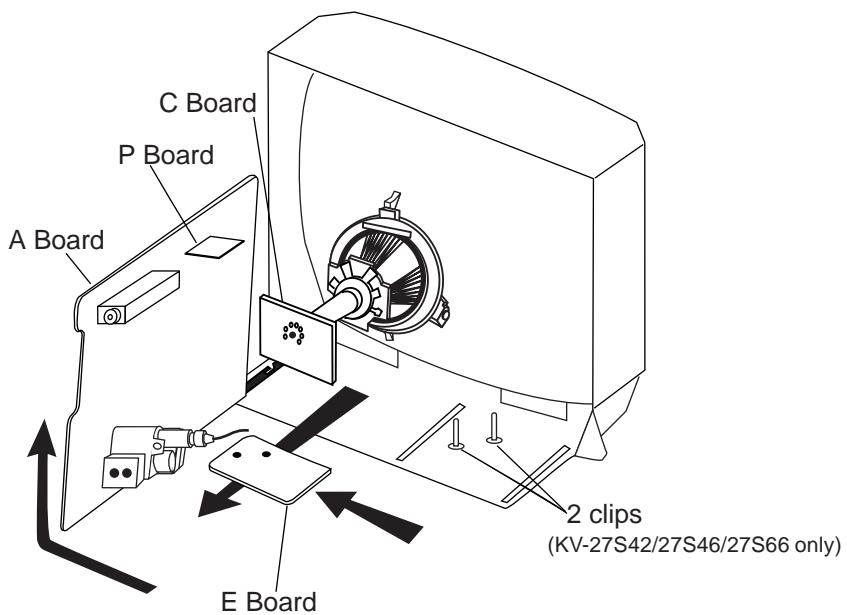
2-5. CHASSIS ASSEMBLY REMOVAL
(KV-27S46/27S66/29SL42/29SL42C/29SL46/29XL42M)



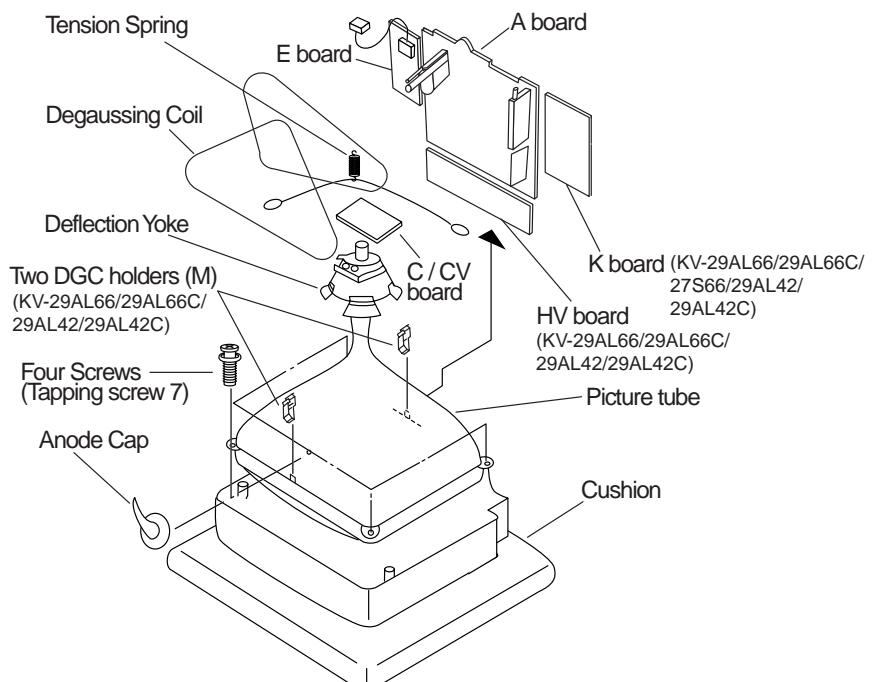
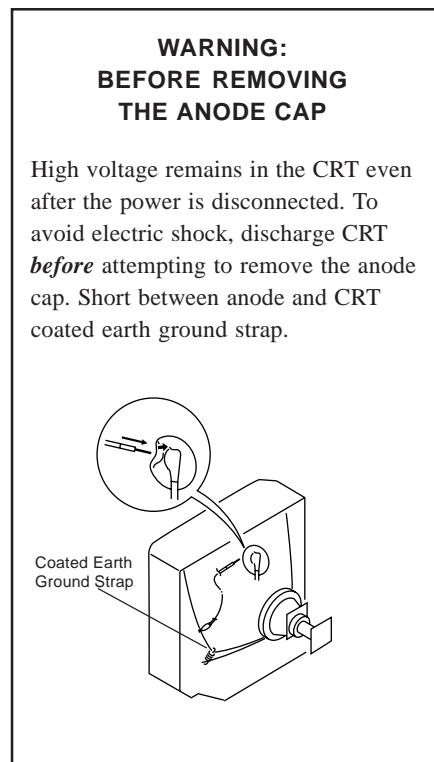
2-6. CHASSIS ASSEMBLY REMOVAL
(KV-29AL42/29AL42C/29AL66/29AL66C)



2-7. SERVICE POSITION



2-8. PICTURE TUBE REMOVAL

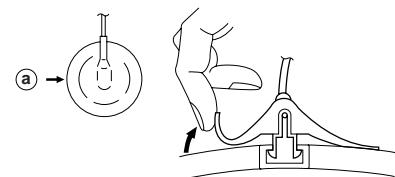


ANODE CAP REMOVAL

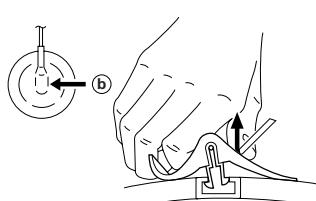
WARNING: High voltage remains in the CRT even after the power is disconnected. To avoid electrical shock, discharge the CRT **before** attempting to remove the anode cap. Short between anode and coated earth ground strap of CRT.

NOTE: After removing the anode, short circuit the anode of the picture tube and the anode cap to either the metal chassis, CRT shield, or carbon painted on the CRT.

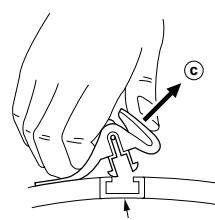
REMOVAL PROCEDURES



① Turn up one side of the rubber cap in the direction indicated by arrow ①.



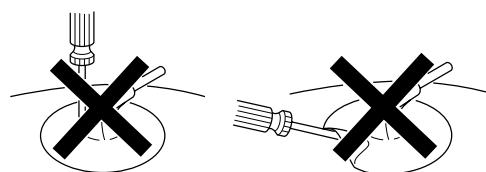
② Use your thumb to pull the rubber cap firmly in the direction indicated by arrow ②.



③ When one side of the rubber cap separates from the anode button, the anode cap can be removed by turning the rubber cap and pulling it in the direction of arrow ③.

HOW TO HANDLE AN ANODE CAP

- ① Do not use sharp objects which may cause damage to the surface of the anode cap.
- ② To avoid damaging the anode cap, do not squeeze the rubber covering too hard. A material fitting called a shatter-hook terminal is built into the rubber.
- ③ Do not force turn the foot of the rubber cover. This may cause the shatter-hook terminal to protrude and damage the rubber.



SECTION 3

SET-UP ADJUSTMENTS

The following adjustments should be made when a complete realignment is required or when a new picture tube is installed.

These adjustments should be performed with rated power supply voltage unless otherwise noted.

Set the controls as follows unless otherwise noted.

VIDEO MODE: STANDARD

PICTURE control: Normal

BRIGHTNESS control Normal

Perform the adjustments in order as follows:

1. Beam Landing
2. Convergence
3. Focus
4. Screen (G2)
5. White Balance

Note: Test equipment required:

- Color bar pattern generator
- Degausser
- DC power supply
- Digital multimeter

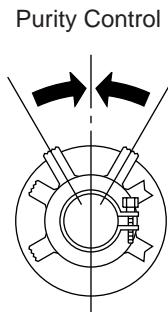
3-1. BEAM LANDING

Before beginning adjustment procedure:

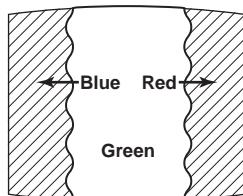
1. Degauss the entire screen.
2. Feed in the white pattern signal.

Adjustment Procedure

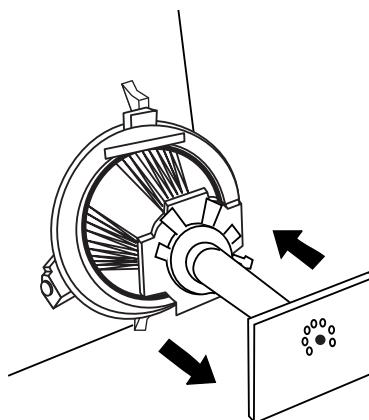
1. Input a raster signal with the pattern generator.
2. Loosen the deflection yoke mounting screw and set the purity control to the center as shown below.



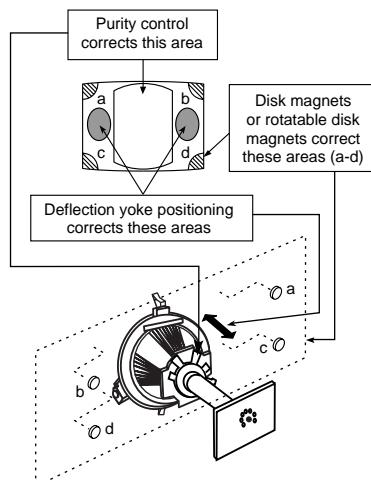
3. Turn the raster signal of the pattern generator to green.
4. Move the deflection yoke backward and adjust the purity control so that green is in the center and red and blue are at the sides evenly.



5. Move the deflection yoke forward and adjust so that the entire screen becomes green.



6. Switch over the raster signal to red and blue and confirm the condition.
7. When the position of the deflection yoke is determined, tighten it with the deflection yoke mounting screw.
8. If landing at the corner is not right, adjust by using the disk magnets.



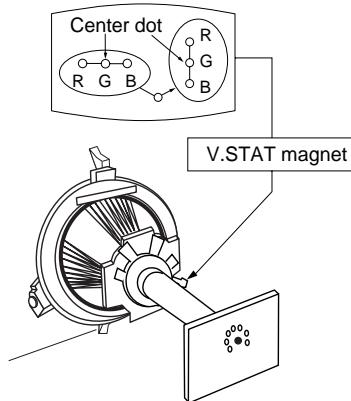
3-2. CONVERGENCE

Before starting convergence adjustments:

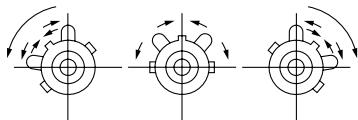
1. Perform FOCUS, V.LIN AND V.SIZE adjustments.
2. Set BRIGHTNESS control to minimum.
3. Feed in dot pattern.

Vertical Static Convergence

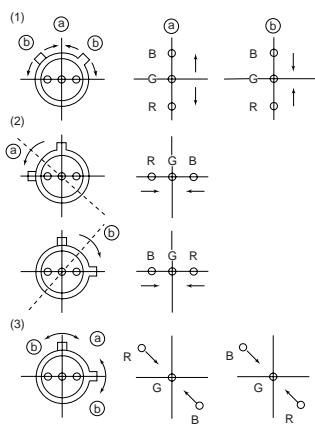
1. Adjust V.STAT magnet to converge red, green and blue dots in the center of the screen. (Vertical movement)



2. Tilt the V.STAT magnet and adjust static convergence to open or close the V.STAT magnet.



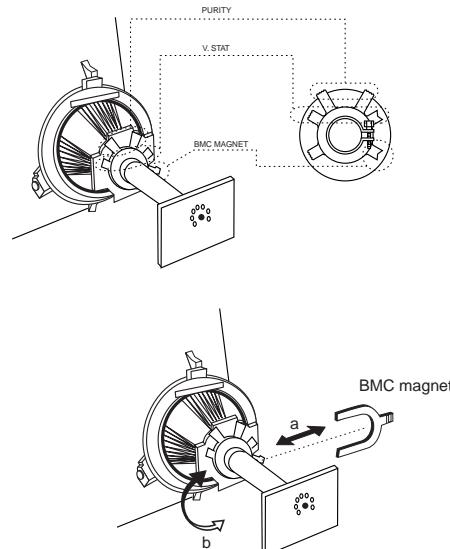
When the V.STAT magnet is moved in the direction of arrows (a) and (b), red, green, and blue dots move as shown below:



Horizontal Static Convergence

If the blue dot does not converge with the red and green dots, perform the following:

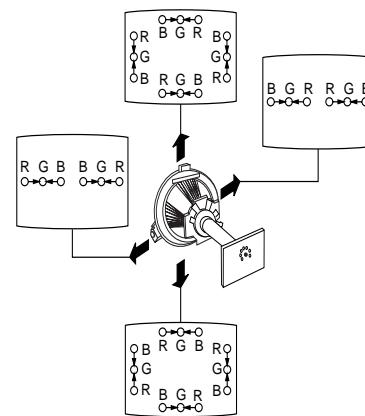
1. Move BMC magnet (a) to correct insufficient H. Static convergence.
2. Rotate BMC magnet (b) to correct insufficient V. Static convergence.
3. After adjusting the BMC magnet, repeat Beam Landing Adjustment.



Dynamic Convergence Adjustment

Before performing this adjustment, perform Horizontal and Vertical Static Convergence Adjustment.

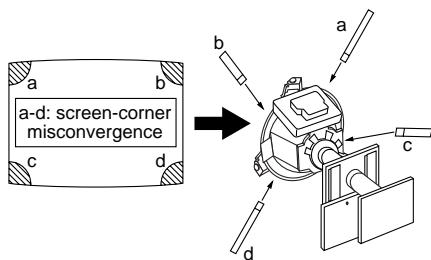
1. Slightly loosen deflection yoke screw.
2. Remove deflection yoke spacers.
3. Move the deflection yoke for best convergence, as shown below:



4. Tighten the deflection yoke screw.
5. Install the deflection yoke spacers.

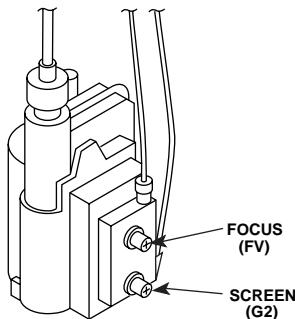
Screen-Corner Convergence

1. Affix a permalloy assembly corresponding to the misconverged areas.



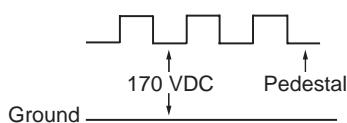
3-3. FOCUS

1. Adjust FOCUS control for best picture.



3-4. SCREEN (G2)

1. Input a dots pattern.
2. Set the PICTURE and BRIGHTNESS controls at minimum and COLOR control at normal.
3. Adjust SBRT, GCUT, BCUT in service mode with an oscilloscope as shown below so that voltages on the red, green, and blue cathodes are 170 VDC.



4. Observe the screen and adjust SCREEN (G2) VR in FBT to obtain the faintly visible background of dot signal.

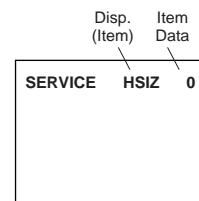
3-5. METHOD OF SETTING THE SERVICE ADJUSTMENT MODE

Service Mode Procedure

1. Standby mode (power off).
2. **Display** → **Channel 5** → **Sound volume +** → **Power** on the Remote Commander (press each button within a second).

Service Adjustment Mode In

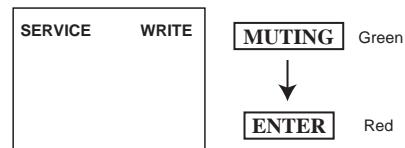
1. The CRT displays the item being adjusted.



2. Press **1** or **4** on the Remote Commander to select the item.
3. Press **3** or **6** on the Remote Commander to change the data.
4. Press **MUTING** then **ENTER** to save into the memory.

Service Adjustment Mode Memory

Turn set off then on to exit service adjustment mode.



3-6. WHITE BALANCE ADJUSTMENTS

1. Input an entire white signal with burst.
2. Set to Service Adjustment Mode.
3. Set DCOL to "0".
4. Set the PICTURE and BRIGHTNESS to minimum.
5. Adjust with SBRT if necessary.
6. Select GCUT and BCUT with **1** and **4**.
7. Adjust with **3** and **6** for the best white balance.
8. Set PICTURE and BRIGHTNESS to maximum.
9. Select GDRV and BDRV with **1** and **4**.
10. Adjust with **3** and **6** for the best white balance.
11. Reset DCOL to "1".
12. To write into memory, press **MUTING** then **ENTER**.

SECTION 4

SAFETY RELATED ADJUSTMENTS

4-1. R584 CONFIRMATION METHOD (HV HOLD-DOWN CONFIRMATION) AND READJUSTMENTS

The following adjustments should always be performed when replacing the following components which are marked with on the schematic diagram:

DY, C508, C505, C507, C509, C511, C515, C520, C573, C574, C575, D572, D573, D574, IC301, IC521, IC602, L591, L501, R582, R583, R585, R578, R586, R625, R626, T504

Preparation Before Confirmation

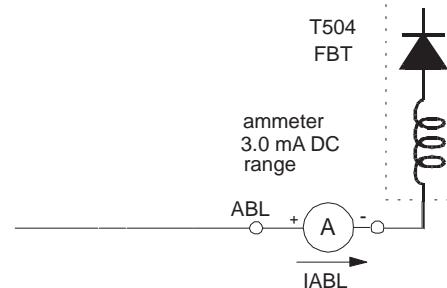
1. Using a Variac, apply AC input voltage: 120 ± 2 VAC (or $120-220 \pm 2$ VAC for KV-29AL42/29AL42C/29AL66/29AL66C/29SL42/29SL42C/29SL46/29XL42M only.)
2. Turn the POWER switch ON.
3. Input a white signal and set the PICTURE and BRIGHTNESS controls to maximum.
4. Confirm that the voltage between C574 (+) or TP503 and ground is more than 105 VDC.

Hold-down Operation Confirmation

1. Connect the current meter between Pin 11 of the FBT (T505) and the PWB land where Pin 11 would normally attach. (See Figure 1 on the next page.)
2. Input a dot signal and set PICTURE and BRIGHTNESS to minimum: $IABL = 100 + 100/-95 \mu A$.
3. Confirm the voltage of A Board TP-600 is 135 ± 3 VDC.
4. Connect the digital voltmeter and the DC power supply via diode 1SS119 to C574 (+) and ground. (See Figure 1 on the next page.)
5. Increase the DC power voltage gradually until the picture blanks out.
6. Turn DC power source off immediately.
7. Read the digital voltmeter indication (Standard: less than or equal to 141.3 VDC).
8. Input a white signal and set PICTURE and BRIGHTNESS to maximum.
9. Repeat steps 4 to 7.

Hold-down Readjustment

If the setting indicated in step 2 of Hold-down Operation Confirmation cannot be met, readjustment should be performed by altering the resistance value of R584, components marked with .



4-2. B+ VOLTAGE CONFIRMATION AND ADJUSTMENT

Note: The following adjustments should always be performed when replacing the following components, which are marked with on the schematic diagram on schematic diagram.

IC601, IC602

1. Using a Variac, apply AC input voltage: 130 ± 2 VAC (or $120-220 \pm 2$ for KV-29AL42/29AL42C/29AL66/29AL66C/29SL42/29SL42C/29SL46/29XL42M only.)
2. Input a dot signal.
3. Set the PICTURE and BRIGHTNESS controls to minimum.
4. Set to service adjustment mode.
5. Select PADJ with **1** and **4**.
6. Adjust with **6** to the 0 level.
7. Confirm that the voltage of A Board TP-600 is less than 138 VDC.
8. If step 7 is not satisfied, replace the components listed above, then repeat the above steps.
9. Adjust with **3** and **6** for: 135 ± 3 VDC
10. Write into the memory by pressing **MUTING** then **ENTER**.

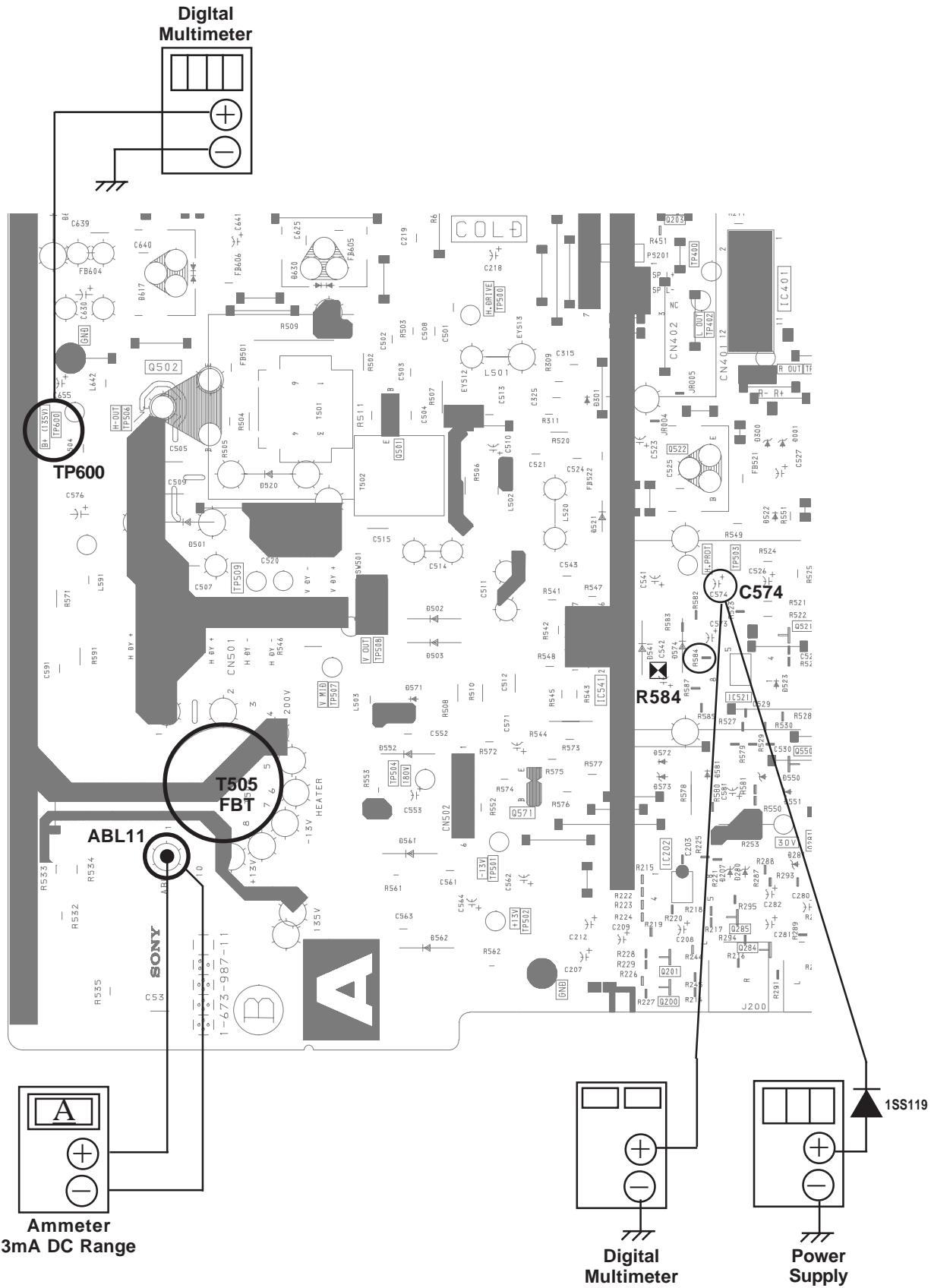


Figure 1

SECTION 5 CIRCUIT ADJUSTMENTS

Use the Remote Commander (RM-Y168) to perform the circuit adjustments in this section.

NOTE: Test Equipment Required:

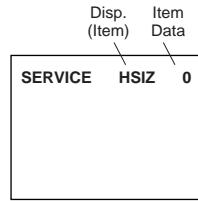
- Pattern generator
- Frequency counter
- Digital multimeter
- Audio oscillator

5-1. Setting the Service Adjustment Mode

1. Standby mode (power off).
2. **Display** → Channel **5** → Sound volume **+** → Power ON on the Remote Commander (press each button within a second).

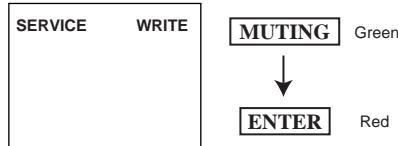
Service Adjustment Mode On

1. The CRT displays the item being adjusted.

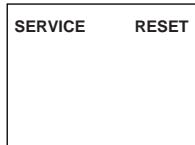


2. Press **[1]** or **[4]** on the Remote Commander to select an item.
3. Press **[3]** or **[6]** on the Remote Commander to change the data.
4. Press **MUTING** then **ENTER** to save into the memory.

Service Adjustment Mode Memory



1. Press **[8]** then **ENTER** on the Remote Commander to initialize.



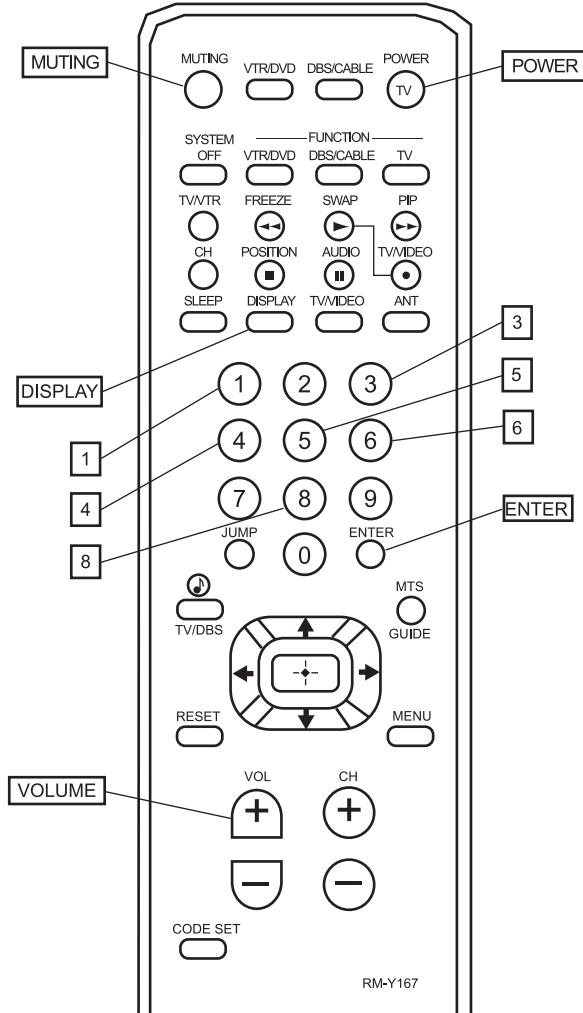
Carry out step 1 when adjusting IDs 0–4 and when replacing and adjusting IC003.

2. Turn set off then on to exit service adjustment mode.

5-2. Memory Write Confirmation Method

1. After adjustment, remove the power plug from the AC outlet, then plug it in again.
2. Turn the power switch ON and set to service mode.
3. Call the adjusted items again to confirm they were adjusted.

5-3. Adjust Buttons and Indicators



Adjustment Items

Item	Service Name	Name	Data Range	Initial Value	Average Data
1	HSIZ	A_HSIZE	0-63	31	42
2	HPOS	A_HPOS	0-63	31	22
3	VBOW	A_AFCB	0-15	7	6
4	VANG	A_AFCB	0-15	7	6
5	TRAP	A_TRAP	0-15	7	7
6	PAMP	A_PAMP	0-63	31	16
7	CPIN	A_CPIN	0-63	31	34
8	VSIZ	A_VSIZ	0-63	31	33
9	VPOS	A_VPOS	0-63	31	38
10	VLIN	A_SCOR	0-15	7	6
11	SCOR	A_SCOR	0-15	7	7
12	VZOM	A_SCROLL	0-1	0	0
13	EHT	A_TRAP	0-15	7	4
14	ASP	A_ASPECT	0-63	63	48
15	SCRL	A_SCROLL	0-63	31	31
16	HBLK	A_ASPECT	0-1	0	1
17	LBLK	A_HBLK	0-15	7	15
18	RBLK	A_HBLK	0-15	7	3
19	VUSN	A_ASPECT	0-1	0	0
20	HDW	A_PON	0-1	0	0
21	EWDC	A_HSIZE	0-1	0	0
22	LVLN	A_VLIN	0-15	0	0
23	UVLN	A_VLIN	0-15	0	0
24	RDRV	A_RDRIVE	0-63	31	14
25	GDRV	A_GDRIVE	0-63	31	10
26	BDRV	A_BDRIVE	0-63	31	8
27	RCUT	A_RCUT	0-15	7	8
28	GCUT	A_GCUT	0-15	7	4
29	BCUT	A_GCUT	0-15	7	5
30	DCOL	A_GDRIVE	0-1	0	1
31	SHUE	A1_SUBHUE	0-31	14	9
32	SCOL	A1_SUBCOL	0-31	14	23
33	SBRT	A1_SUBBRT	0-31	14	10
34	RON	A_VIDSEL	0-1	0	1
35	GON	A_VIDSEL	0-1	0	1
36	BON	A_VIDSEL	0-1	0	1
37	AXPL	A_PON	0-1	0	0
38	AXNT	A_SHPF0	0-1	0	0
39	CBPF	A_XTAL	0-1	0	1
40	CTRP	A_XTAL	0-1	0	1
41	COFF	A_COFF	0-1	0	0
42	KOFF	A_COFF	0-1	0	0
43	SSH	A1_SUBSH	0-15	8	6
44	SHPF	A_SHPF0	0-1	0 / 0 *2	1
45	PREL	A_DCTRAN	0-1	0	1
46	Y-DC	A_DCTRAN	0-1	0	1
47	GAMM	A_BDRIVE	0-3	0	0
48	ABLM	A_RDRIVE	0-1	1	1
49	VTH	A_RDRIVE	0-1	0	1
50	YDEL	A_HOSC	0-15	7	7
51	NCOL	A_PIC	0-1	0	1
52	FSC	A_PIC	0-1	0	1
53	K-ID	A_KID	0-1	0	0
54	HOSC	A_HOSC	0-15	7	7
55	VSS	A_FFREQ	0-1	0	0
56	HSS	A_FFREQ	0-1	0	0
57	HMSK	A_VSIZ	0-1	0	1
58	VTMS	A_TVOFF	0-3	0	0
59	CDMD	A_FFREQ	0-3	0 / 1 *2	0
60	AFC	A_VPOS	0-3	0 / 0 *2	0
61	FIFR	A_FFREQ	0-3	0	3

	Service Name	Name	Data Range	Initial Value	Average Data
62	SBAS		0-15	7	8
63	STRE		0-15	7	9
64	SBAL	A1_SUBBAL	0-31	14	13
65	DISP	A OSDPOS	0-127	0	11
66	PADJ	A_PADJ	0-63	3	51
67	HCHM	A6_HCHM	0-255	69	69
68	HCLM	A6_HCLM	0-255	16	16
69	HCHS		0-255	69	69
70	HCLS		0-255	16	16
71	PFRN		0-1	0	0
72	PRVS		0-1	0	0
73	PCON		0-127	32	70
74	PUCO		0-127	75	63
75	PVCO		0-127	40	63
76	PHUE		0-31	15	15
77	PKIL		0-1	0	0
78	PSEP		0-3	2	2
79	PDCO		0-3	0	0
80	PEXP		0-3	2	2
81	PBGS		0-63	14	14
82	PYDL		0-15	3	7
83	PBRT		0-31	0	25
84	PVPE		0-16	0	0
85	PUPE		0-16	0	0
86	PACS		0-1	0	1
87	PSDL		0-3	0	0
88	PMVP		0-3	0	0
89	PCGA		0-1	0	1
90	PBIT		0-1	0	0
91	PAFC		0-1	0	0
92	PACC		0-63	21	20
93	PBUR		0-1	0	0
94	PEVE		0-1	0	0
95	PINW		0-1	0	0
96	PINR		0-1	0	0
97	PREF		0-1	0	0
98	PARE		0-1	1	1
99	PAVE		0-1	0	0
100	PFRA		0-15	0	0
101	PPAL		0-255	0	0
102	PHPO		0-31	31	2
103	PVPO		0-31	21	22
104	PHTI		0-15	10	10
105	PHAJ		0-15	2	2
106	PBGY		0-15	0	0
107	PCRO		0-1	0	0
108	PPAR		0-63	2	2
109	PHPF		0-1	0	1
110	PVCH		0-1	0	0
111	PVON		0-1	0	1
112	PVLN		0-31	17	17
113	PVSB		0-255	64	64
114	PVLV		0-255	130	130
115	ID0	A_NVMID0	0-255	23	See ID map
116	ID1	A_NVMID1	0-255	3	See ID map
117	ID2	A_NVMID2	0-255	11	See ID map
118	ID3	A_NVMID3	0-255	1	See ID map
119	ID4	A_NVMID4	0-255	23	See ID map
120	ID5	A_NVMID5	0-255	0	See ID map
121	ID6	A6_NVMID6	0-255	0	See ID map
122	ID7	A6_NVMID7	0-255	64	See ID map

*2: TV/VIDEO

SERVICE	ID0	25
Notes:		

Item numbers 1-122 show the sequence of adjustments that may be selected while in service mode.

Data Range indicates the range of possible settings for each adjustment mode.

Initial Data indicates the standard settings for each adjustment mode.

Feature ID Map

	KV	Destination	ID-0	ID-1	ID-2	ID-3	ID-4	ID-5	ID-6	ID-7
1	27S42	US	25	145	15	235	11	3	0	64
2	27S42	CND	89	145	15	135	11	3	0	64
3	27S46	US	25	155	15	235	11	3	1	64
4	27S66	US	25	155	79	235	11	3	7	64
5	27S66	CND	89	155	79	155	11	3	7	64
6	29AL42	E	17	147	173	203	123	3	0	64
7	29AL42C	E	17	147	173	203	123	3	0	64
8	29AL66	E	17	151	237	203	123	3	7	64
9	29AL66C	E	17	151	237	203	123	3	7	64
10	29SL42	E	17	145	143	203	123	3	0	64
11	29SL42C	E	17	145	143	203	123	3	0	64
12	29SL46	E	17	155	143	203	123	3	1	64
13	29XL42M	MX	17	145	143	203	123	3	0	64

5-4. A BOARD ADJUSTMENTS

H. Frequency (Free Run) Check

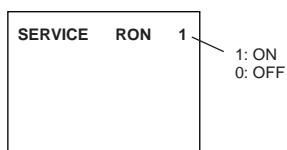
1. Input a TV mode (RF) with no signal.
2. Connect a frequency counter to base of Q501 (TP-500 H. DRIVE).
3. Check H. Frequency for 15735 ± 200 Hz.

V. Frequency (Free Run) Check

1. Select video 1 with no signal input.
2. Set the conditions for a standard setting.
3. Connect the frequency counter on the A board to TP-508 (V OUT) or CN 501 pin ⑥ (V DY+) and ground.
4. Check that V. Frequency shows 60 ± 4 Hz.

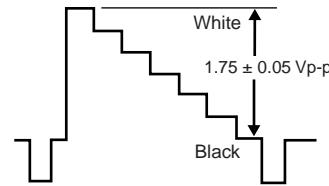
Sub Contrast Adjustment (RDRV)

1. Input a color-bar signal and set the level to 75%.
2. In Standard mode, set PICTURE to maximum, COLOR to minimum, and BRIGHTNESS to center.
3. Activate the Service Adjustment Mode.
4. Set both GON and BON items. Using [3] and [6]; set each to the following values. Leave RON set to 1.



R ON: ON (1)
G ON: OFF (0)
B ON: OFF (0)

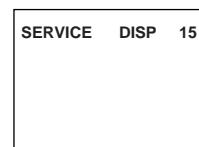
5. Select the item DCOL item and set it to 0.
6. Connect an oscilloscope probe to CN301 pin ⑤ (RED OUT).
7. Select RDRV with [1] and [4].
8. Adjust the value of RDRV with [3] and [6] for 1.75 ± 0.05 Vp-p.



9. Reset the item DCOL to 1.
10. Reset GON and BON values to 1.
11. Reset Picture, Color, and Bright to normal values:
PICTURE: MAX
COLOR: CENTER
BRIGHT: CENTER
12. Press [MUTING] then [ENTER] to save into the memory.

Display Position Adjustment (DISP)

1. Input a color-bar signal.
2. Set to Service Adjustment Mode.
3. Select DISP with [1] and [4].
4. Adjust values of DISP with [3] and [6] to adjust characters to the center.
5. Write to memory by pressing [MUTING] then [ENTER].
6. Check to see if the text is displayed on the screen.

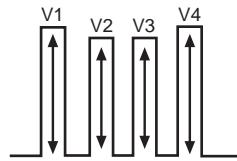


Sub Bright Adjustment (SBRT)

1. Input a crosshatch signal.
2. Activate the Service Adjustment Mode.
3. Set the PICTURE and BRIGHTNESS to minimum.
4. Select the SBRT item with [1] and [4].
5. Adjust the values of SBRT with [3] and [6] to obtain a faintly visible crosshatch.
6. Press [MUTING] then [ENTER] to save into the memory.

Sub Hue, Sub Color Adjustment (SHUE, SCOL)

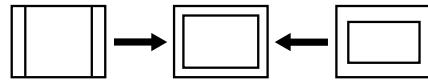
1. Input a color-bar signal.
2. Activate the Service Adjustment Mode.
3. Select the DCOL item and set the value to 0.
4. Connect an oscilloscope probe to CN301 Pin ⑦ (BLUE OUT).
5. Select the SHUE and SCOL item with **[1]** and **[4]**.
6. While showing the SHUE item, adjust the waveform with **[3]** and **[6]** until the second and third bars show the same level ($V2 = V3 \pm 0.15$ Vp-p).
7. While showing the SCOL item, adjust the waveform with **[3]** and **[6]** until the first and fourth bars show the same level ($V1 = V4 \pm 0.15$ Vp-p).



8. Select the DCOL item and reset to 1.
9. Press **MUTING** then **ENTER** to save into the memory.

V. Size Adjustment (VSIZ)

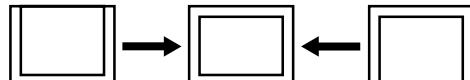
1. Input a crosshatch signal.
2. Activate the Service Adjustment Mode.
3. Select the VSIZ item with **[1]** and **[4]**.
4. Adjust value of VPOS with **[3]** and **[6]** for the best vertical center.
5. Press **MUTING** then **ENTER** to save into the memory.



V. Center Adjustment (VPOS)

Perform this adjustment after performing H. Frequency (Free Run) check.

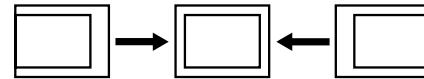
1. Input a crosshatch signal.
2. Activate the Service Adjustment Mode.
3. Select the VPOS item with **[1]** and **[4]**.
4. Adjust value of VPOS with **[3]** and **[6]** for the best vertical center.
5. Press **MUTING** then **ENTER** to save into the memory.



H. Center Adjustment (HPOS)

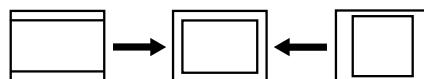
Perform this adjustment after performing H. Frequency (Free Run) check.

1. Input a crosshatch signal.
2. Activate the Service Adjustment Mode.
3. Select the HPOS item with **[1]** and **[4]**.
4. Adjust the value of HPOS with **[3]** and **[6]** for the best horizontal center.
5. Press **MUTING** then **ENTER** to save into the memory.



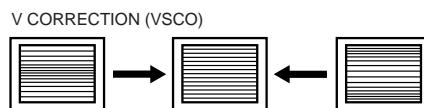
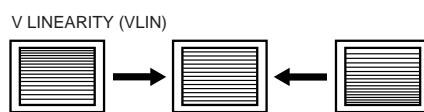
H. Size Adjustment (HSIZ)

1. Input a cross hatch signal.
2. Activate the Service Adjustment Mode.
3. Select HSIZ with **[1]** and **[4]**.
4. Adjust with **[3]** and **[6]** for the best Horizontal size.
5. Press **MUTING** then **ENTER** to save into the memory.



V. Linearity (VLIN), V Correction (VSCO)

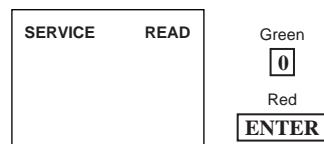
1. Input a crosshatch signal.
2. V. Correction is automatically adjusted from the circuit and should satisfy the conditions below:



Service Adjustment Mode Memory

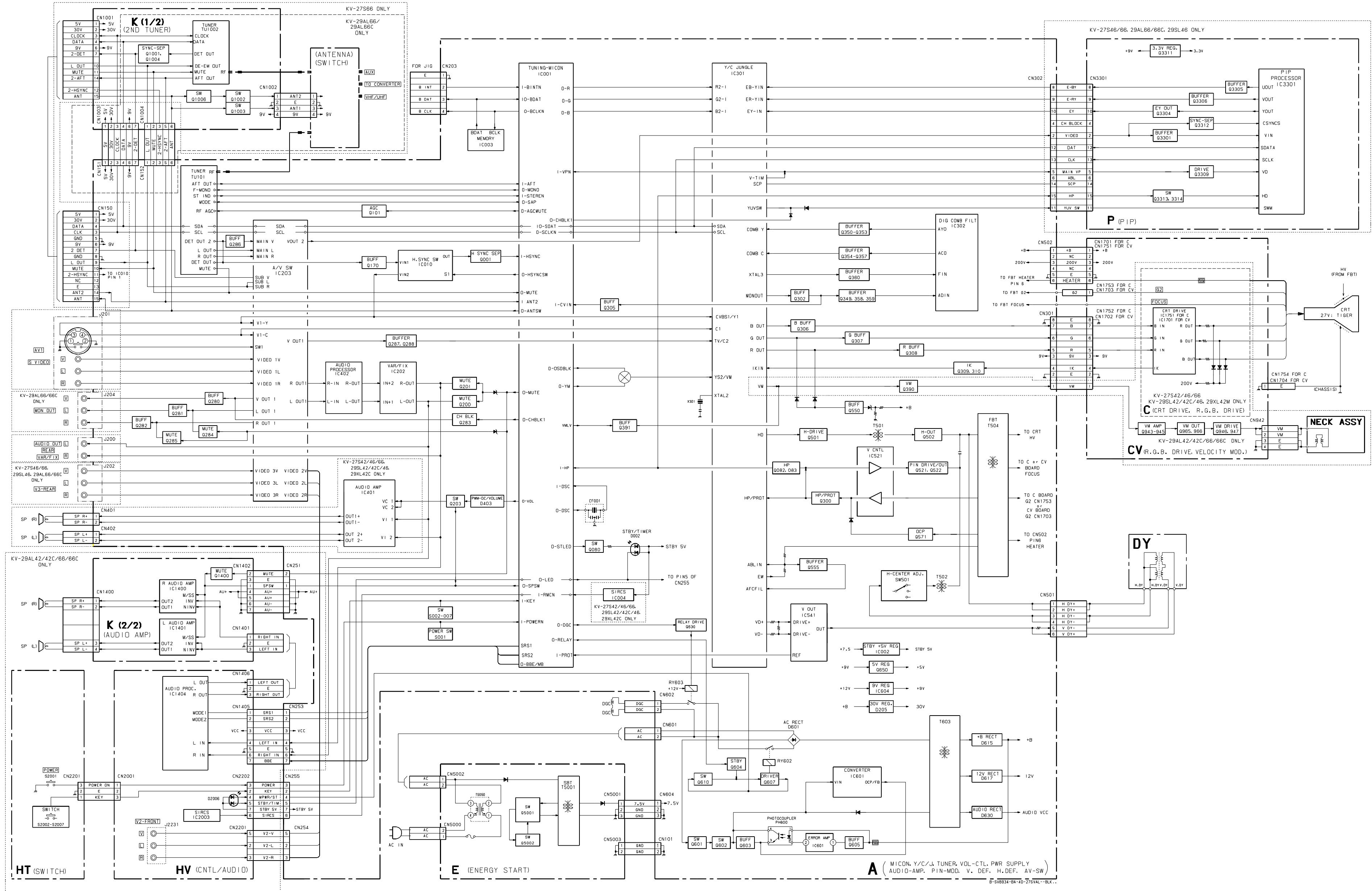
1. Change the value of the DCOL item to 1.
2. After completing all adjustments, press **[0]** then **ENTER**.

Read From Memory



**SECTION 6
DIAGRAMS**

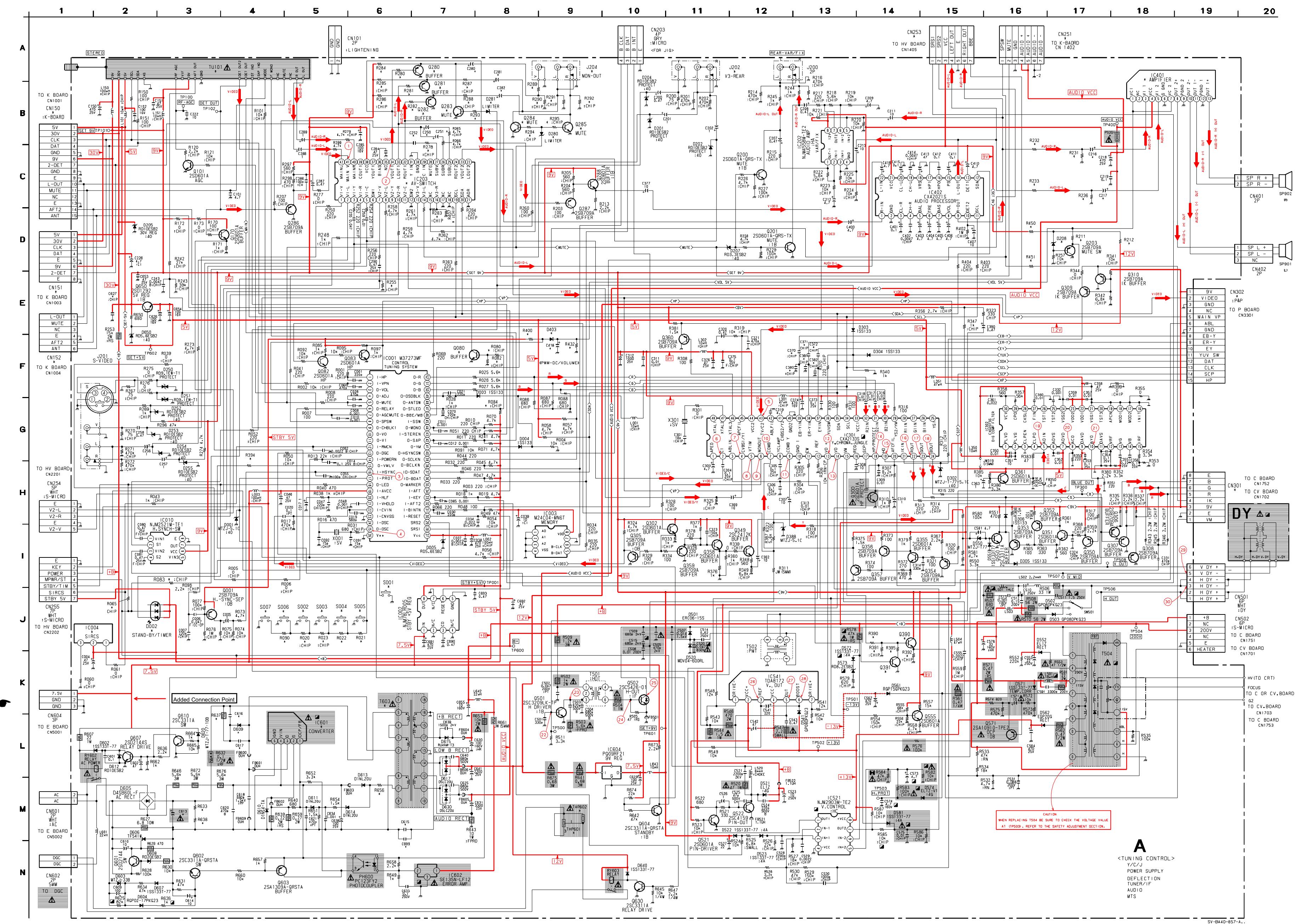
6.1 BLOCK DIAGRAM



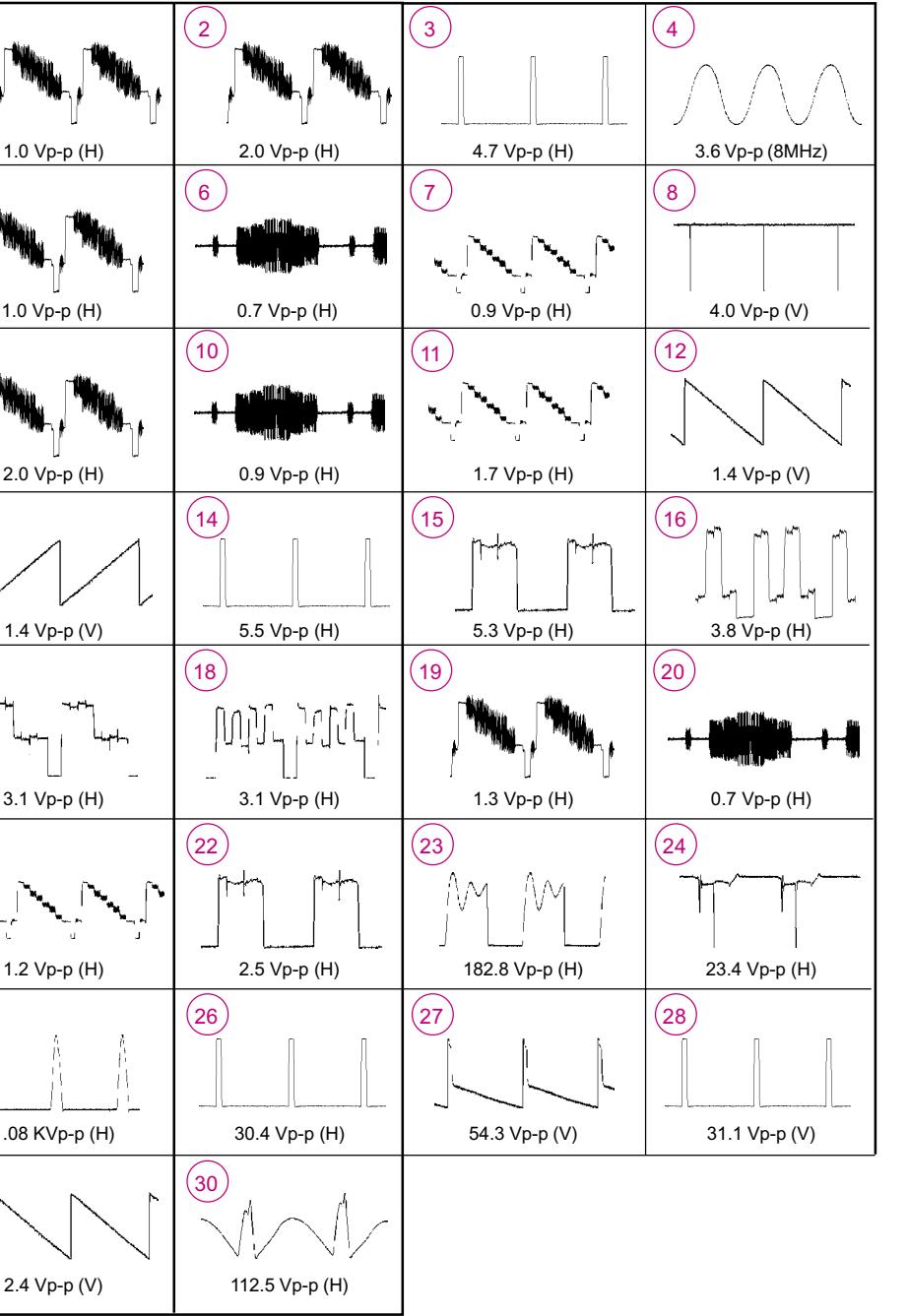
A BOARD LOCATION LIST

DIODE	LOC	REF
D001	H-6	D306
D002	I-14	D388
D003	K-14	D403
D004	J-11	D501
D005	K-14	D502
D201	I-2	D503
D202	I-2	D504
D204	I-2	D505
D205	K-3	D523
D207	G-2	D541
D208	G-8	D550
D250	I-2	D551
D251	I-2	D552
D252	I-2	D561
D253	J-2	D562
D254	J-2	D571
D255	J-2	D572
D280	J-2	D573
D281	H-2	D574
D302	G-10	D581
D303	J-12	D581
D304	J-10	D602
D305	I-11	D603
D604	D-13	IC203
D605	A-12	IC301
D606	C-13	IC302
D607	D-13	IC301
D608	A-10	IC402
D609	E-4	IC521
D610	C-11	IC521
D611	D-11	IC601
D612	F-14	IC602
D613	D-10	IC604
D614	G-8	IC605
D615	A-8	Q001
D616	B-8	Q002
D617	B-8	Q003
D618	C-8	Q004
D619	D-10	Q005
D620	F-13	Q006
D621	I-2	Q007
D622	F-10	Q008
D623	D-10	Q009
D624	D-10	Q010
D625	E-4	Q011
D626	E-4	Q012
D627	F-15	Q013
D628	I-15	Q014
D629	I-11	Q015
D630	I-12	Q016
D631	I-12	Q017
D632	K-5	Q018
D633	I-7	Q019
D634	I-7	Q020
D635	G-1	Q021
D636	I-7	Q022
D637	I-7	Q023
D638	G-2	Q024
D639	G-2	Q025
D640	G-2	Q026
D641	G-2	Q027
D642	G-2	Q028
D643	G-2	Q029
D644	G-2	Q030
D645	H-8	Q031
D646	H-8	Q032
D647	B-15	Q033
D648	H-8	Q034
D649	H-8	Q035
D650	D-10	Q036
D651	D-10	Q037
D652	E-2	Q038
D653	D-10	Q039
D654	D-10	Q040
D655	D-10	Q041
D656	D-10	Q042
D657	D-10	Q043
D658	D-10	Q044
D659	D-10	Q045
D660	D-10	Q046
D661	D-10	Q047
D662	D-10	Q048
D663	D-10	Q049
D664	D-10	Q050
D665	D-10	Q051
D666	D-10	Q052
D667	D-10	Q053
D668	D-10	Q054
D669	D-10	Q055
D670	D-10	Q056
D671	D-10	Q057
D672	D-10	Q058
D673	D-10	Q059
D674	D-10	Q060
D675	D-10	Q061
D676	D-10	Q062
D677	D-10	Q063
D678	D-10	Q064
D679	D-10	Q065
D680	D-10	Q066
D681	D-10	Q067
D682	D-10	Q068
D683	D-10	Q069
D684	D-10	Q070
D685	D-10	Q071
D686	D-10	Q072
D687	D-10	Q073
D688	D-10	Q074
D689	D-10	Q075
D690	D-10	Q076
D691	D-10	Q077
D692	D-10	Q078
D693	D-10	Q079
D694	D-10	Q080
D695	D-10	Q081
D696	D-10	Q082
D697	D-10	Q083
D698	D-10	Q084
D699	D-10	Q085
D700	D-10	Q086
D701	D-10	Q087
D702	D-10	Q088
D703	D-10	Q089
D704	D-10	Q090
D705	D-10	Q091
D706	D-10	Q092
D707	D-10	Q093
D708	D-10	Q094
D709	D-10	Q095
D710	D-10	Q096
D711	D-10	Q097
D712	D-10	Q098
D713	D-10	Q099
D714	D-10	Q100
D715	D-10	Q101
D716	D-10	Q102
D717	D-10	Q103
D718	D-10	Q104
D719	D-10	Q105
D720	D-10	Q106
D721	D-10	Q107
D722	D-10	Q108
D723	D-10	Q109
D724	D-10	Q110
D725	D-10	Q111
D726	D-10	Q112
D727	D-10	Q113
D728	D-10	Q114
D729	D-10	Q115
D730	D-10	Q116
D731	D-10	Q117
D732	D-10	Q118
D733	D-10	Q119
D734	D-10	Q120
D735	D-10	Q121
D736	D-10	Q122
D737	D-10	Q123
D738	D-10	Q124
D739	D-10	Q125
D740	D-10	Q126
D741	D-10	Q127
D742	D-10	Q128
D743	D-10	Q129
D744	D-10	Q130
D745	D-10	Q131
D746	D-10	Q132
D747	D-10	Q133
D748	D-10	Q134
D749	D-10	Q135
D750	D-10	Q136
D751	D-10	Q137
D752	D-10	Q138
D753	D-10	Q139
D754	D-10	Q140
D755	D-10	Q141
D756	D-10	Q142
D757	D-10	Q143
D758	D-10	Q144
D759	D-10	Q145
D760	D-10	Q146
D761	D-10	Q147
D762	D-10	Q148
D763	D-10	Q149
D764	D-10	Q150
D765	D-10	Q151
D766	D-10	Q152
D767	D-10	Q153
D768	D-10	Q154
D769	D-10	Q155
D770	D-10	Q156
D771	D-10	Q157
D772	D-10	Q158
D773	D-10	Q159
D774	D-10	Q160
D775	D-10	Q161
D776	D-10	Q162
D777	D-10	Q163
D778	D-10	Q164
D779	D-10	Q165
D780	D-10	Q166
D781	D-10	Q167
D782	D-10	Q168
D783	D-10	Q169
D784	D-10	Q170
D785	D-10	Q171
D786	D-10	Q172
D787	D-10	Q173
D788	D-10	Q174
D789	D-10	Q175
D790	D-10	Q176
D791	D-10	Q177
D792	D-10	Q178
D793	D-10	Q179
D794	D-10	Q180
D795	D-10	Q181
D796	D-10	Q182
D797	D-10	Q183
D798	D-10	Q184
D799	D-10	Q185
D800	D-10	Q186
D801	D-10	Q187
D802	D-10	Q188
D803	D-10	Q189
D804	D-10	Q190
D805	D-10	Q191
D806	D-10	Q192
D807	D-10	Q193
D808	D-10	Q194
D809	D-10	Q195
D810	D-10	Q196
D811	D-10	Q197
D812	D-10	Q198
D813	D-10	Q199
D814	D-10	Q200
D815	D-10	Q201
D816	D-10	Q202
D817	D-10	Q203
D818	D-10	Q204
D819	D-10	Q205
D820	D-10	Q206
D821	D-10	Q207
D822	D-10	Q208
D823	D-10	Q209
D824	D-10	Q210
D825	D-10	Q211
D826	D-10	Q212
D827	D-10	Q213
D828	D-10	Q214
D829	D-10	Q215
D830	D-10	Q216
D831	D-10	Q217
D832	D-10	Q218
D833	D-10	Q219
D834	D-10	Q220
D835	D-10	Q221
D836</td		

A BOARD SCHEMATIC DIAGRAM



A BOARD WAVEFORMS

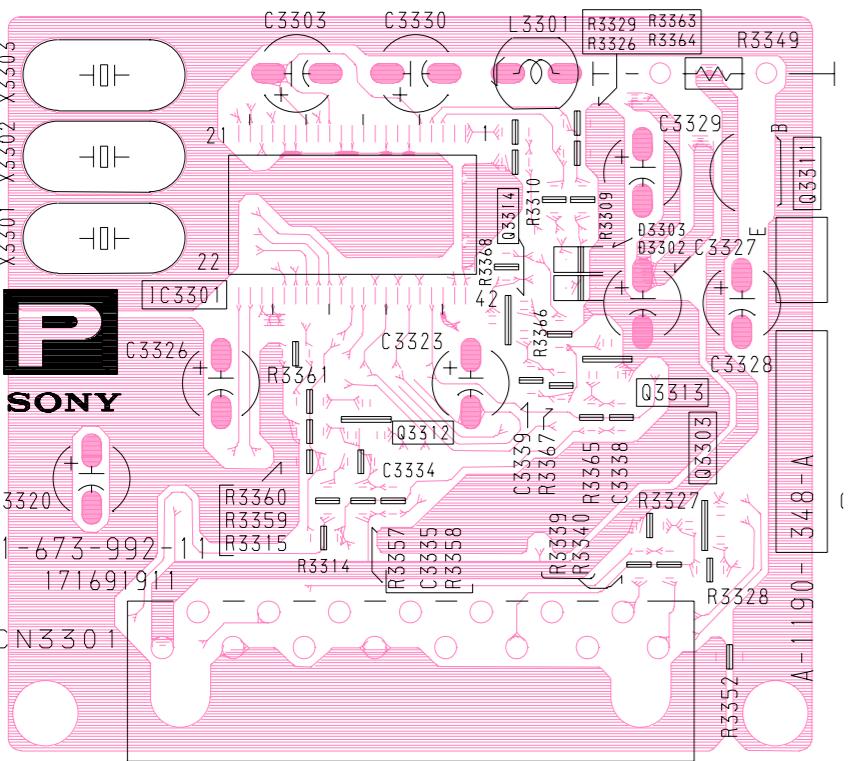


A BOARD IC VOLTAGE LIST

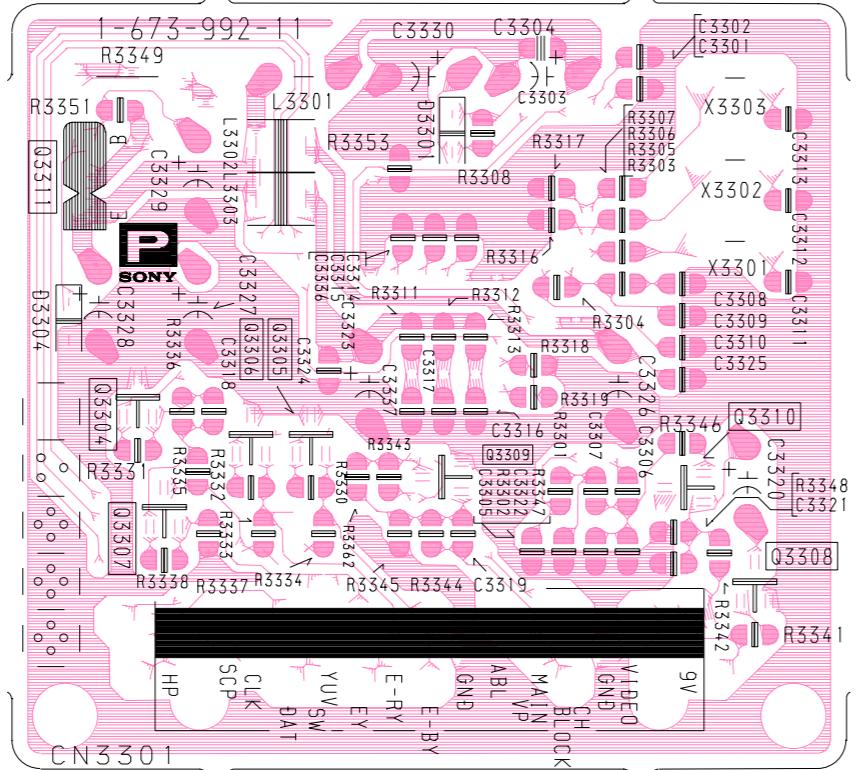
IC001	IC002	IC003	IC004	IC005	IC006	IC007	IC008	IC009	IC010	IC011	IC012	IC013	IC014	IC015	IC016	IC017	IC018	IC019	IC020	IC021	IC022	IC023	IC024	IC025	IC026	IC027	IC028	IC029	IC030	IC031	IC032	IC033	IC034	IC035	IC036	IC037	IC038	IC039	IC040	IC041	IC042	IC043	IC044	IC045	IC046	IC047	IC048	IC049	IC050	IC051	IC052	IC053	IC054	IC055	IC056	IC057	IC058	IC059	IC060	IC061	IC062	IC063	IC064	IC065	IC066	IC067	IC068	IC069	IC070	IC071	IC072	IC073	IC074	IC075	IC076	IC077	IC078	IC079	IC080	IC081	IC082	IC083	IC084	IC085	IC086	IC087	IC088	IC089	IC090	IC091	IC092	IC093	IC094	IC095	IC096	IC097	IC098	IC099	IC100	IC101	IC102	IC103	IC104	IC105	IC106	IC107	IC108	IC109	IC110	IC111	IC112	IC113	IC114	IC115	IC116	IC117	IC118	IC119	IC120	IC121	IC122	IC123	IC124	IC125	IC126	IC127	IC128	IC129	IC130	IC131	IC132	IC133	IC134	IC135	IC136	IC137	IC138	IC139	IC140	IC141	IC142	IC143	IC144	IC145	IC146	IC147	IC148	IC149	IC150	IC151	IC152	IC153	IC154	IC155	IC156	IC157	IC158	IC159	IC160	IC161	IC162	IC163	IC164	IC165	IC166	IC167	IC168	IC169	IC170	IC171	IC172	IC173	IC174	IC175	IC176	IC177	IC178	IC179	IC180	IC181	IC182	IC183	IC184	IC185	IC186	IC187	IC188	IC189	IC190	IC191	IC192	IC193	IC194	IC195	IC196	IC197	IC198	IC199	IC200	IC201	IC202	IC203	IC204	IC205	IC206	IC207	IC208	IC209	IC210	IC211	IC212	IC213	IC214	IC215	IC216	IC217	IC218	IC219	IC220	IC221	IC222	IC223	IC224	IC225	IC226	IC227	IC228	IC229	IC230	IC231	IC232	IC233	IC234	IC235	IC236	IC237	IC238	IC239	IC240	IC241	IC242	IC243	IC244	IC245	IC246	IC247	IC248	IC249	IC250	IC251	IC252	IC253	IC254	IC255	IC256	IC257	IC258	IC259	IC260	IC261	IC262	IC263	IC264	IC265	IC266	IC267	IC268	IC269	IC270	IC271	IC272	IC273	IC274	IC275	IC276	IC277	IC278	IC279	IC280	IC281	IC282	IC283	IC284	IC285	IC286	IC287	IC288	IC289	IC290	IC291	IC292	IC293	IC294	IC295	IC296	IC297	IC298	IC299	IC300	IC301	IC302	IC303	IC304	IC305	IC306	IC307	IC308	IC309	IC310	IC311	IC312	IC313	IC314	IC315	IC316	IC317	IC318	IC319	IC320	IC321	IC322	IC323	IC324	IC325	IC326	IC327	IC328	IC329	IC330	IC331	IC332	IC333	IC334	IC335	IC336	IC337	IC338	IC339	IC340	IC341	IC342	IC343	IC344	IC345	IC346	IC347	IC348	IC349	IC350	IC351	IC352	IC353	IC354	IC355	IC356	IC357	IC358	IC359	IC360	IC361	IC362	IC363	IC364	IC365	IC366	IC367	IC368	IC369	IC370	IC371	IC372	IC373	IC374	IC375	IC376	IC377	IC378	IC379	IC380	IC381	IC382	IC383	IC384	IC385	IC386	IC387	IC388	IC389	IC390	IC391	IC392	IC393	IC394	IC395	IC396	IC397	IC398	IC399	IC400	IC401	IC402	IC403	IC404	IC405	IC406	IC407	IC408	IC409	IC410	IC411	IC412	IC413	IC414	IC415	IC416	IC417	IC418	IC419	IC420	IC421	IC422	IC423	IC424	IC425	IC426	IC427	IC428	IC429	IC430	IC431	IC432	IC433	IC434	IC435	IC436	IC437	IC438	IC439	IC440	IC441	IC442	IC443	IC444	IC445	IC446	IC447	IC448	IC449	IC450	IC451	IC452	IC453	IC454	IC455	IC456	IC457	IC458	IC459	IC460	IC461	IC462	IC463	IC464	IC465	IC466	IC467	IC468	IC469	IC470	IC471	IC472	IC473	IC474	IC475	IC476	IC477	IC478	IC479	IC480	IC481	IC482	IC483	IC484	IC485	IC486	IC487	IC488	IC489	IC490	IC491	IC492	IC493	IC494	IC495	IC496	IC497	IC498	IC499	IC500	IC501	IC502	IC503	IC504	IC505	IC506	IC507	IC508	IC509	IC510	IC511	IC512	IC513	IC514	IC515	IC516	IC517	IC518	IC519	IC520	IC521	IC522	IC523	IC524	IC525	IC526	IC527	IC528	IC529	IC530	IC531	IC532	IC533	IC534	IC535	IC536	IC537	IC538	IC539	IC540	IC541	IC542	IC543	IC544	IC545	IC546	IC547	IC548	IC549	IC550	IC551	IC552	IC553	IC554	IC555	IC556	IC557	IC558	IC559	IC560	IC561	IC562	IC563	IC564	IC565	IC566	IC567	IC568	IC569	IC570	IC571	IC572	IC573	IC574	IC575	IC576	IC577	IC578	IC579	IC580	IC581	IC582	IC583	IC584	IC585	IC586	IC587	IC588	IC589	IC590	IC591	IC592	IC593	IC594	IC595	IC596	IC597	IC598	IC599	IC600	IC601	IC602	IC603	IC604	IC605	IC606	IC607	IC608	IC609	IC610	IC611	IC612	IC613	IC614	IC615	IC616	IC617	IC618	IC619	IC620	IC621	IC622	IC623	IC624	IC625	IC626	IC627	IC628	IC629	IC630	IC631	IC632	IC633	IC634	IC635	IC636	IC637	IC638	IC639	IC640	IC641	IC642	IC643	IC644	IC645	IC646	IC647	IC648	IC649	IC650	IC651	IC652	IC653	IC654	IC655	IC656	IC657	IC658	IC659	IC660	IC661	IC662	IC663	IC664	IC665	IC666	IC667	IC668	IC669	IC670	IC671	IC672	IC673	IC674	IC675	IC676	IC677	IC678	IC679	IC680	IC681	IC682	IC683	IC684	IC685	IC686	IC687	IC688	IC689	IC690	IC691	IC692	IC693	IC694	IC695	IC696	IC697	IC698	IC699	IC700	IC701	IC702	IC703	IC704	IC705	IC706	IC707	IC708	IC709	IC710	IC711	IC712	IC713	IC714	IC715	IC716	IC717	IC718	IC719	IC720	IC721	IC722	IC723	IC724	IC725	IC726	IC727	IC728	IC729	IC730	IC731	IC732	IC733	IC734	IC735	IC736	IC737	IC738	IC739	IC740	IC741	IC742	IC743	IC744	IC745	IC746	IC747	IC748	IC749	IC750	IC751	IC752	IC753	IC754	IC755	IC756	IC757	IC758	IC759	IC760	IC761	IC762	IC763	IC764	IC765	IC766	IC767	IC768	IC769	IC770	IC771	IC772	IC773	IC774	IC775	IC776	IC777	IC778	IC779	IC780	IC781	IC782	IC783	IC784	IC785	IC786	IC787	IC788	IC789	IC790	IC791	IC792	IC793	IC794

P [P in P]
(KV-27S46/29AL42/29AL42C/29AL66/29AL66C ONLY)

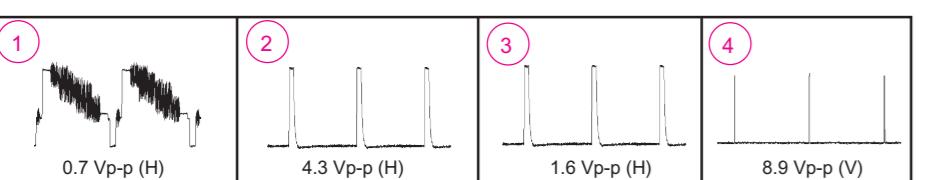
COMPONENT SIDE



CONDUCTOR SIDE



P BOARD WAVEFORMS

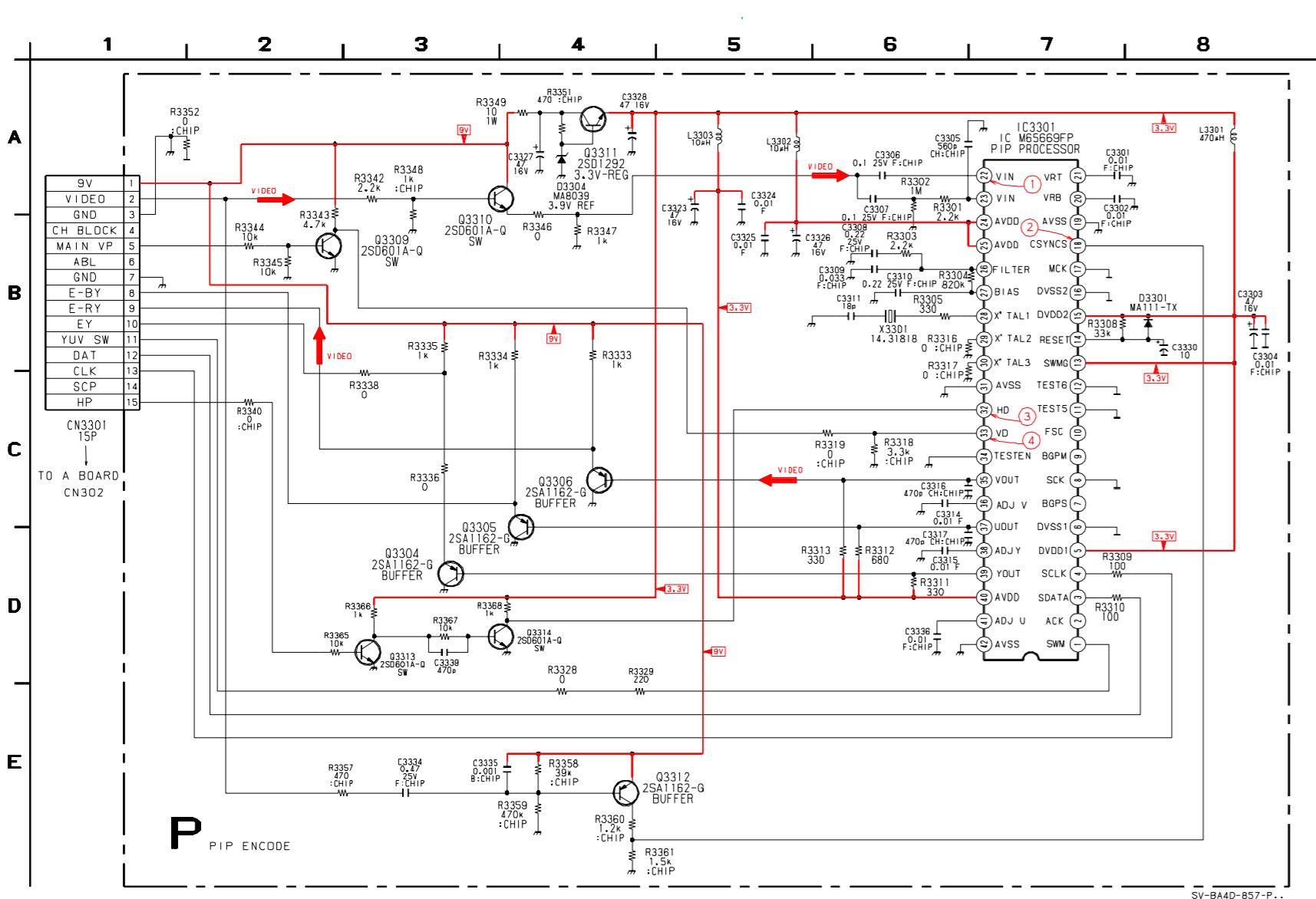


P BOARD TRANSISTOR VOLTAGE LIST

	C	E
Q3304	2.3	GND 2.9
Q3305	3.0	GND 3.7
Q3306	3.0	GND 3.7
Q3309	0.7	0.0 GND
Q3310	8.9	1.8
Q3311	3.9	7.4 3.3
Q3312	8.2	0.1 8.9
Q3313	0.2	3.3 GND
Q3314	3.1	0.6 GND

All voltages are in V

P BOARD SCHEMATIC DIAGRAM

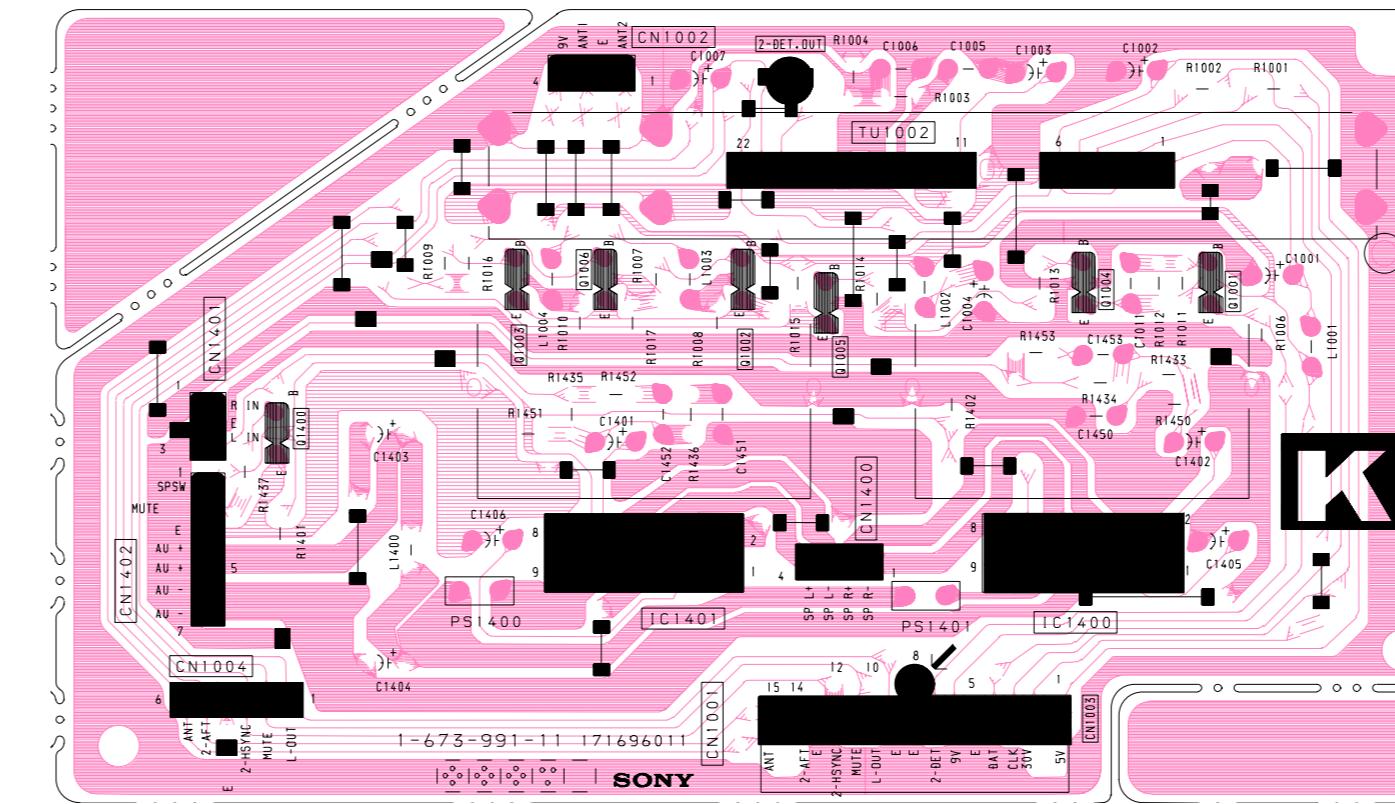


P BOARD IC VOLTAGE LIST

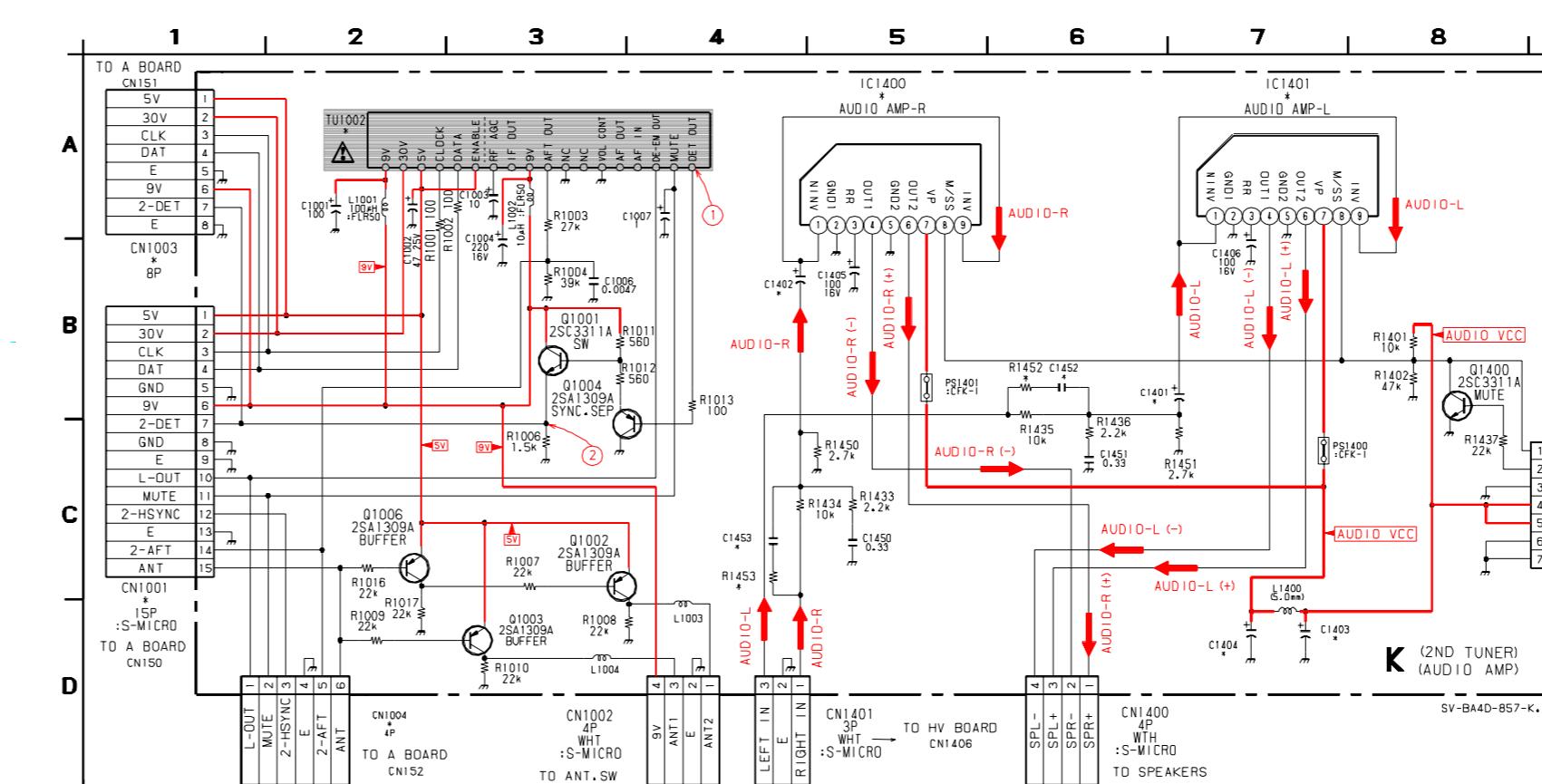
	B	C	E
IC3301	22	0.8	
pin	23	0.7	
1	0.0	24	3.3
2	0.0	25	3.3
3	4.9	26	1.5
4	4.9	27	1.5
5	3.3	28	2.0
6	NC	29	0.4
7	0.0	30	1.5
8	0.0	31	GND
9	NC	32	0.6
10	NC	33	0.0
11	0.0	34	GND
12	0.0	35	3.0
13	3.3	36	1.2
14	3.3	37	2.9
15	3.3	38	1.3
16	0.0	39	2.3
17	0.0	40	1.3
18	0.0	41	1.2
19	GND	42	GND
20	0.5		
21	1.5		

All voltages are in V

K [SECOND TUNER, AUDIO AMP]
(KV-27S66/29AL42/29AL42C/29AL66/29AL66C ONLY)



K BOARD SCHEMATIC DIAGRAM



K BOARD (*) MARK VARIANT LIST

REF. NO.	KV-27S66	KV-29AL42C	KV-29AL66C
C1401	#	0.47MF	0.22MF
C1402	#	0.47MF	0.22MF
C1403	#	2200MF	2200MF
C1404	#	2200MF	2200MF
C1452	#	0.0033MF	0.0033MF
C1453	#	0.0033MF	0.0033MF
CN1001	15P	#	#
CN1003	#	8P	8P
CN1004	#	6P	7P
IC1400	#	TDA1519	TDA1519
IC1401	#	TDA1519	TDA1519
R1452	#	10K	8.2K
R1453	#	10K	8.2K
TU1002	FSS BTF-FA401	#	FSS BTF-FA401

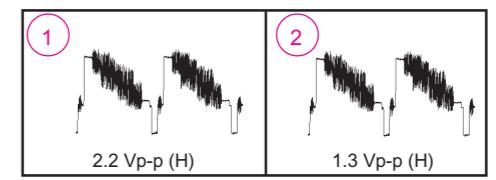
K BOARD IC VOLTAGE LIST

IC1400	pin	volt.
C1400	1	0.0
C1402	2	GND
C1403	3	0.0
C1404	4	0.0
C1452	5	GND
C1453	6	0.0
CN1001	7	6.9
CN1003	8	0.0
CN1004	9	0.0
IC1401	10	7P
IC1400	11	8P
R1452	12	10K
R1453	13	10K
TU1002	14	FSS BTF-FA401

#: NOT MOUNTED

All voltages are in V

K BOARD WAVEFORMS



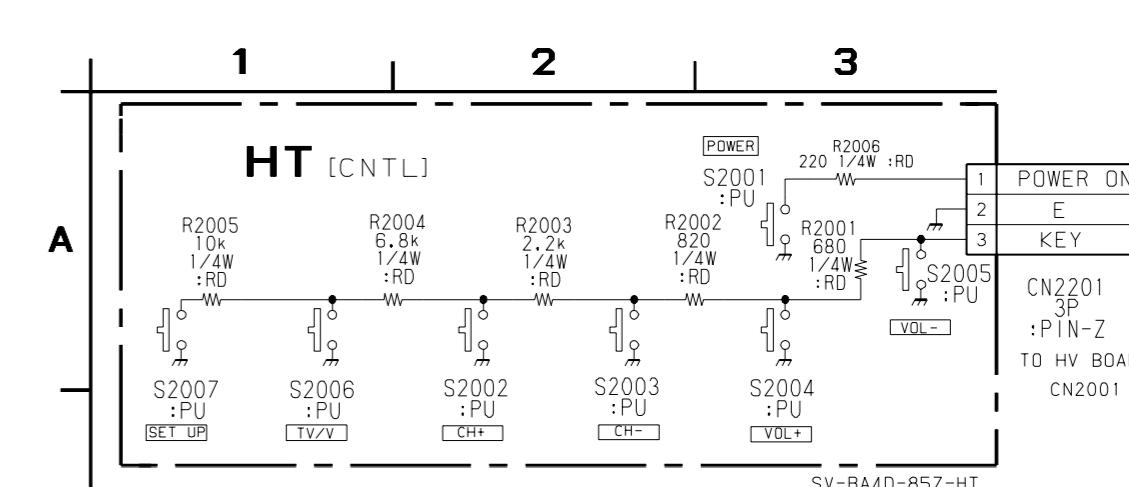
2.2 Vp-p (H)
1.3 Vp-p (H)

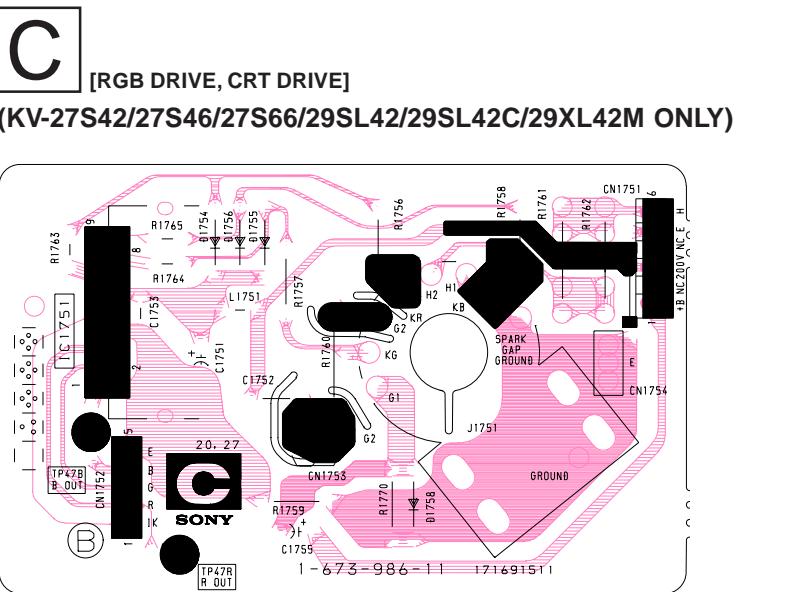
K BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q1001	7.0	8.9	6.4
Q1002	5.1	0.0	5.1
Q1003	4.4	5.0	5.1
Q1004	4.5	GND	5.2
Q1006	4.5	5.1	5.1
Q1400	0.7	0.0	GND

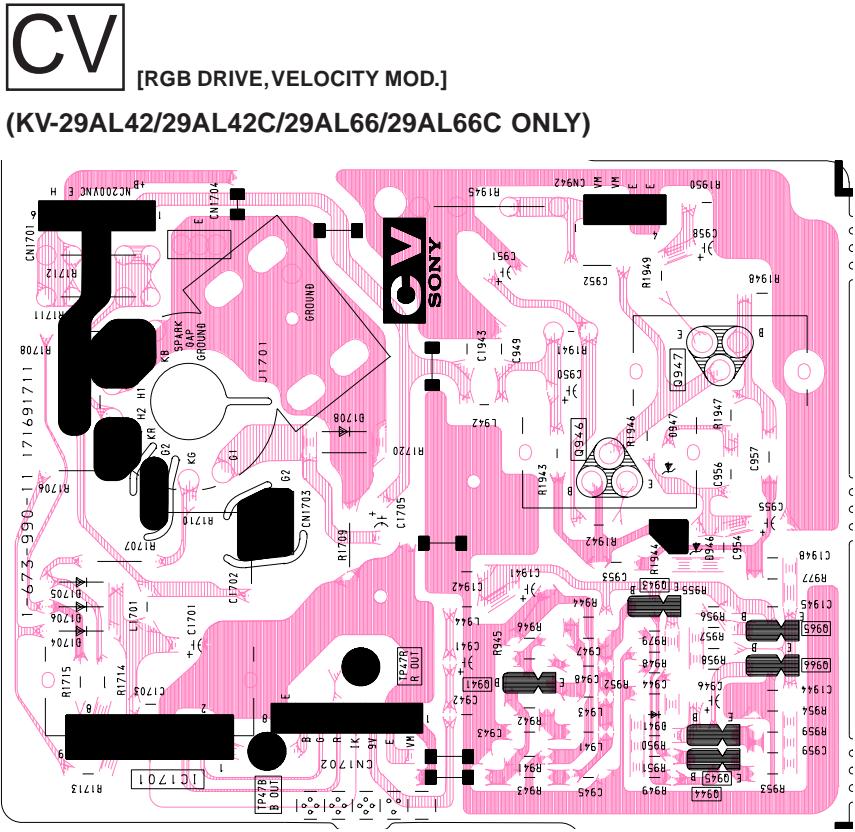
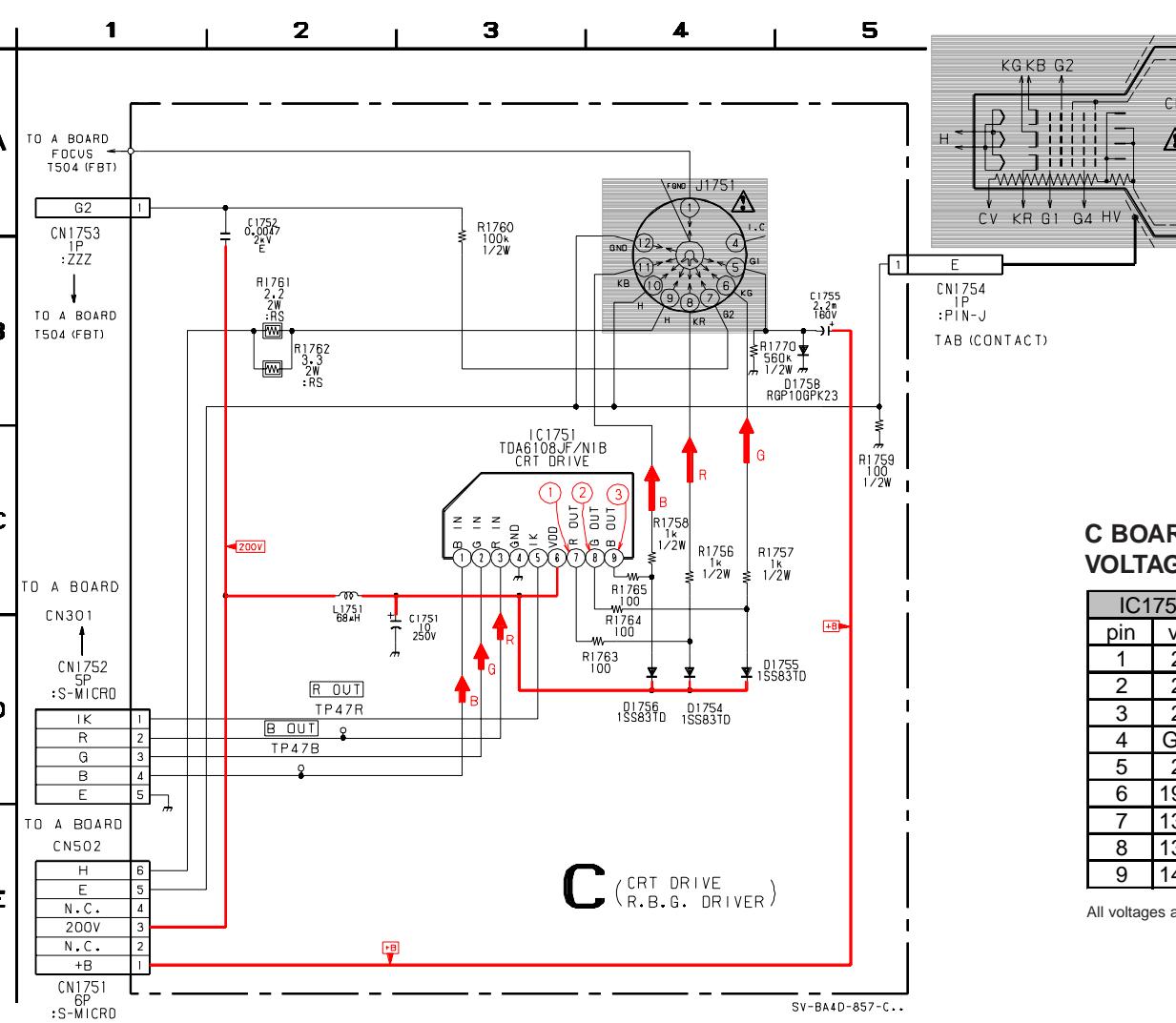
All voltages are in V

HT BOARD SCHEMATIC DIAGRAM

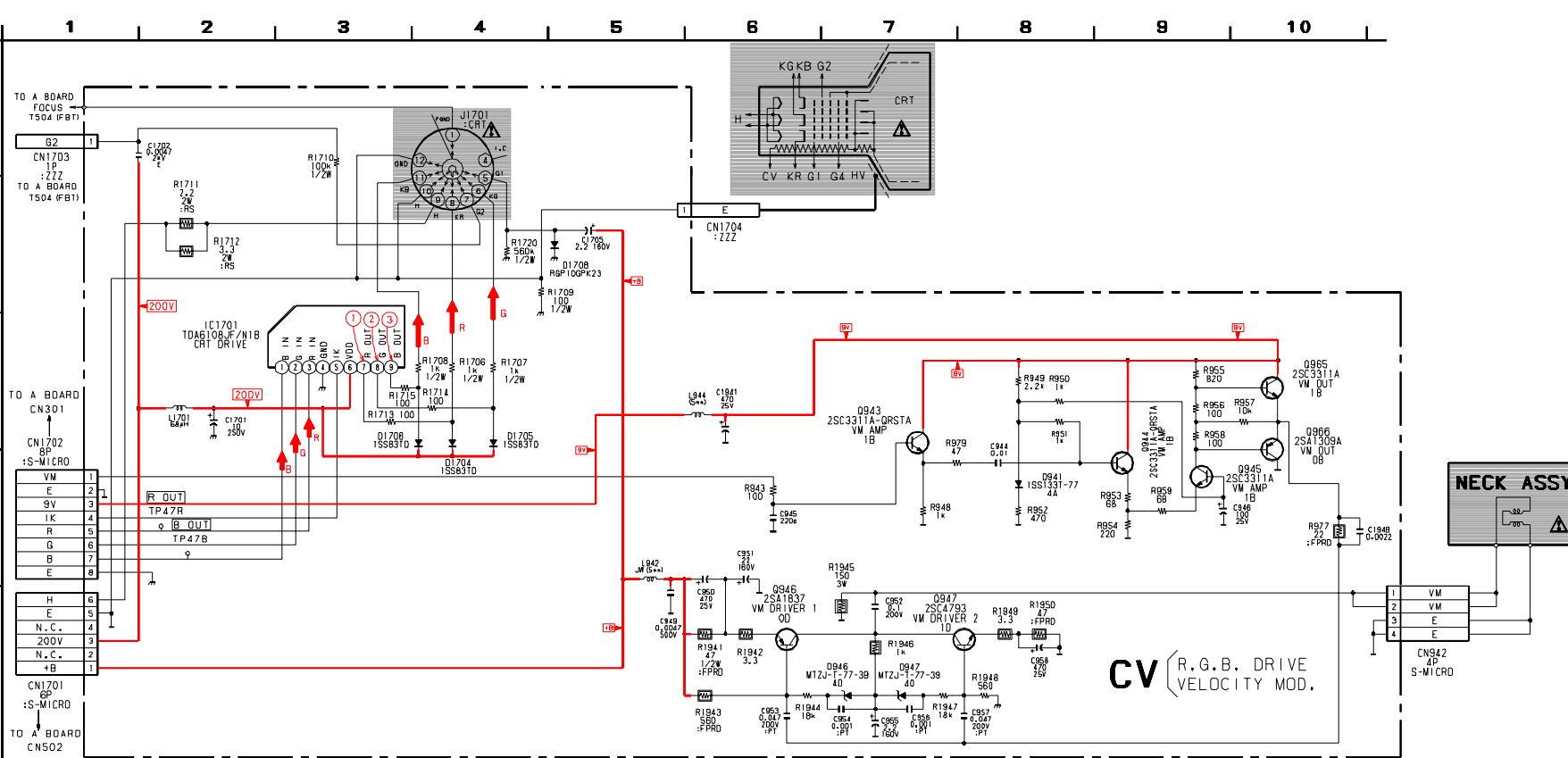




C BOARD SCHEMATIC DIAGRAM



CV BOARD SCHEMATIC DIAGRAM



CV BOARD TRANSISTOR VOLTAGE LIST

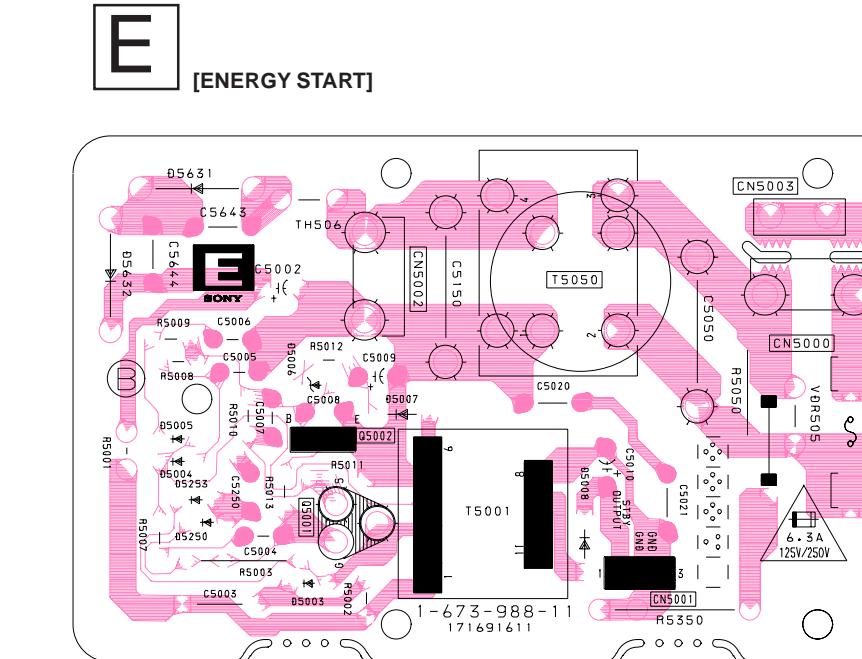
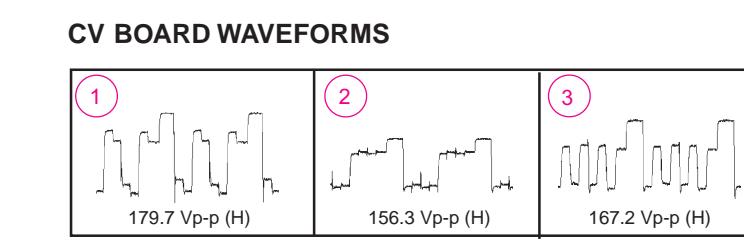
	B	C	E
Q943	4.5	8.9	3.7
Q944	2.1	8.9	1.5
Q945	2.1	6.0	1.5
Q946	133.2	67.1	134.7
Q947	0.9	6.7	0.3
Q965	6.5	8.9	6.2
Q966	6.0	0.0	6.2

All voltages are in V

CV BOARD IC VOLTAGE LIST

	IC1701
pin	volt.
1	2.3
2	2.3
3	2.3
4	GND
5	3.7
6	203.6
7	129.0
8	126.0
9	127.0

All voltages are in V

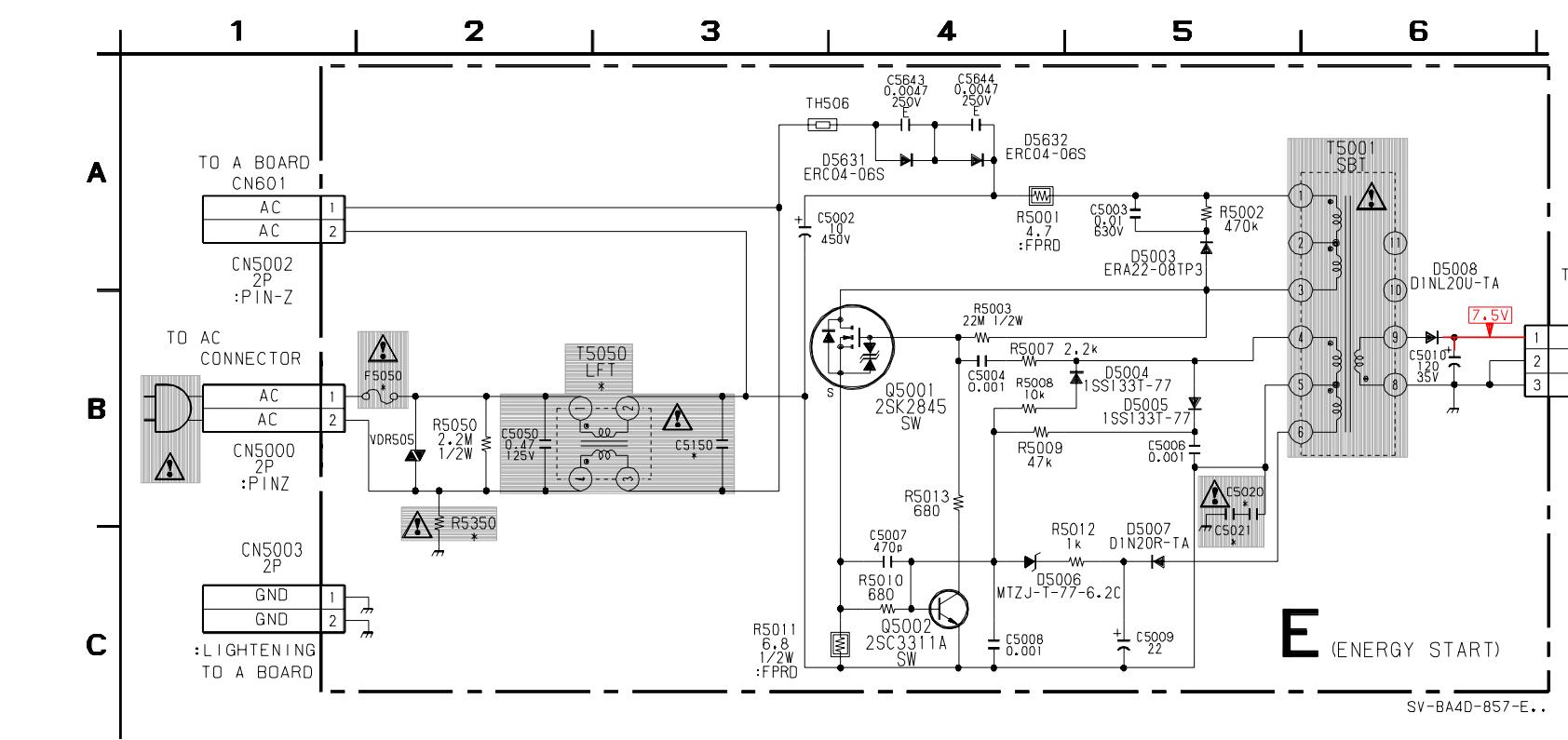


E BOARD TRANSISTOR VOLTAGE LIST

	B	C	E	G	S	D
Q5002	0.4	1.5	0.0	1.5	0.1	157.6

All voltages are in V

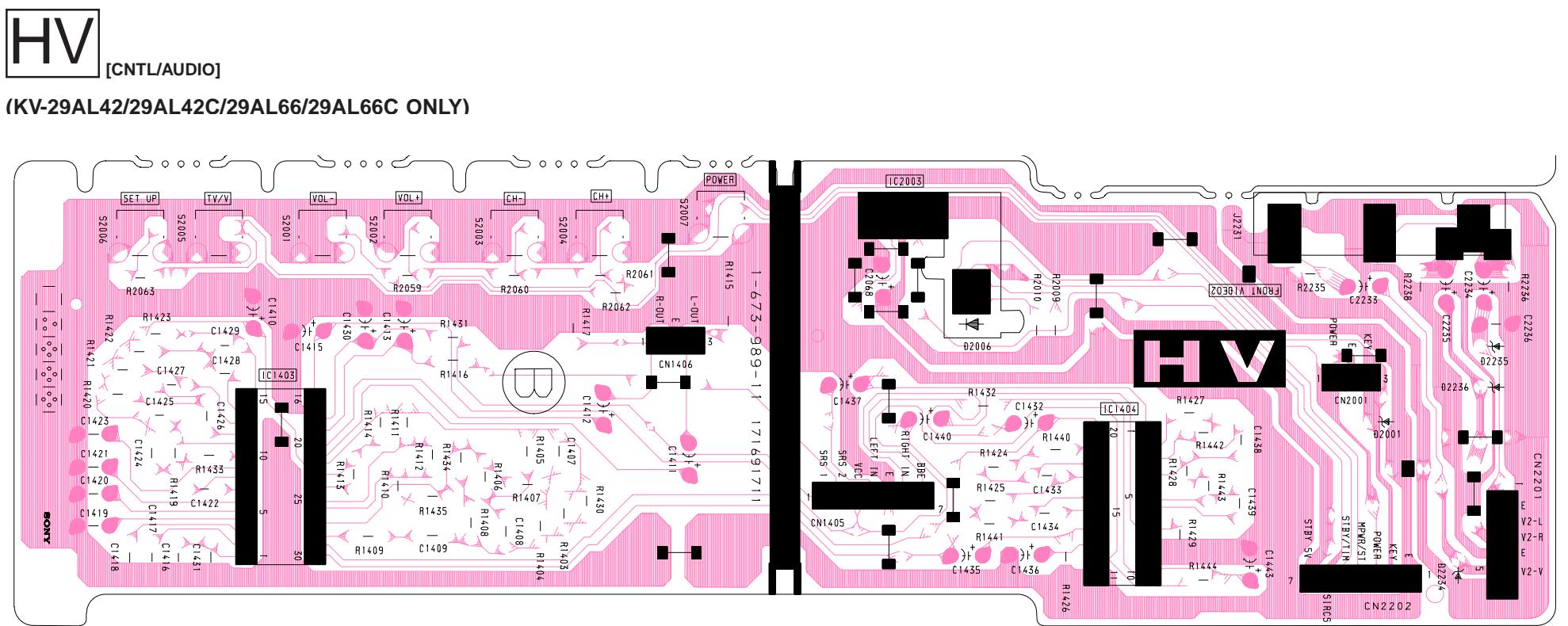
E BOARD SCHEMATIC DIAGRAM



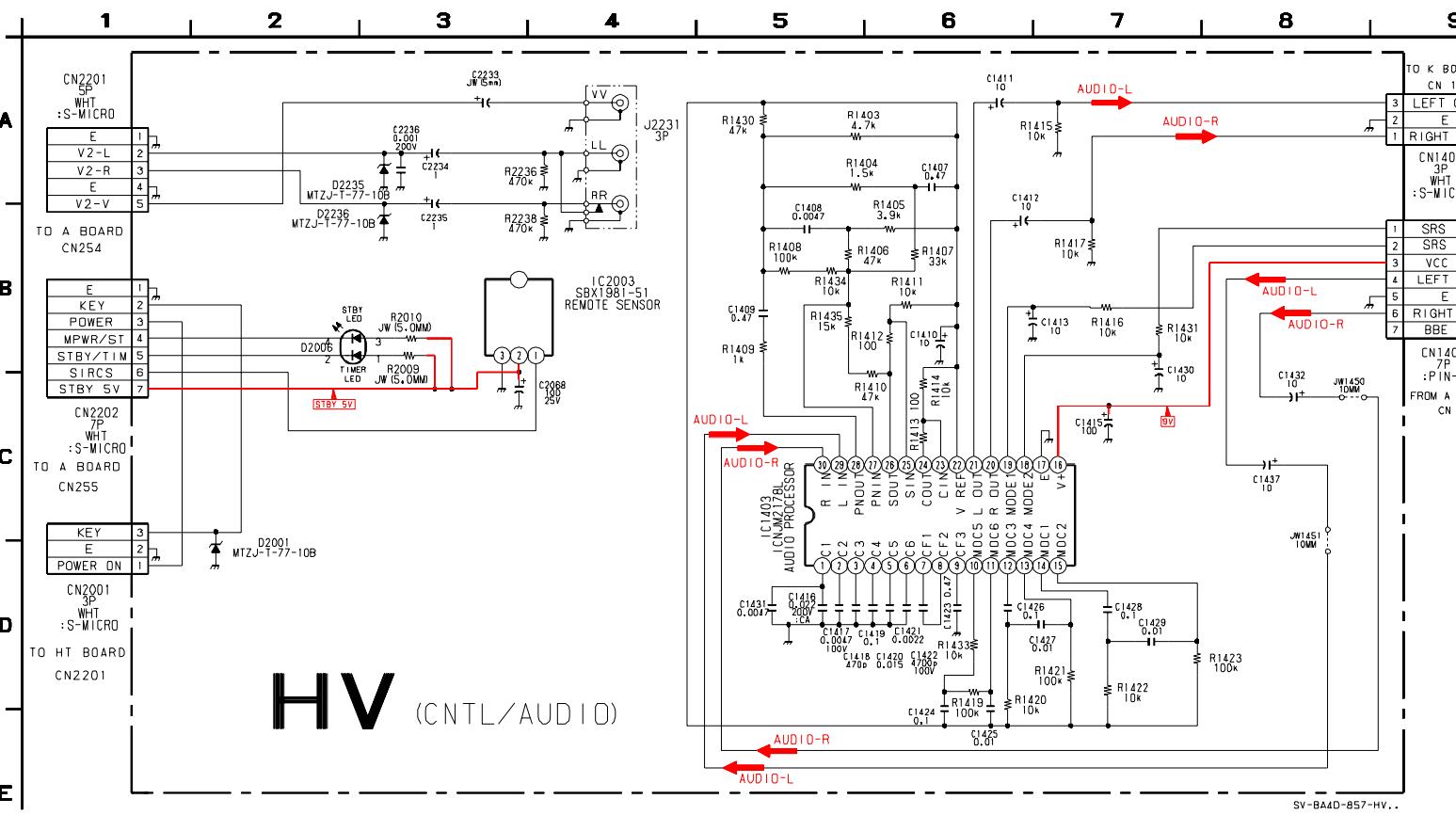
E BOARD (*) MARK VARIANT LIST

REF. NO.	KV-29AL66	KV-29AL66C	KV-29AL42	KV-29AL42C	KV-29SL42	KV-29SL42C	KV-29XL42M	KV-29XL42
C5024	0.0022MF	0.0047MF						
C5141		0.007MF						
C5150	0.47MF							
F5050	6.3A/125V	6.3A/250V						
R5350	4.7M	8.2M						
T5050	1.431-838-11	1-426-717-11						
VDR505	1-803-585-11	1-803-587-11						

#: NOT MOUNTED



HV BOARD SCHEMATIC DIAGRAM

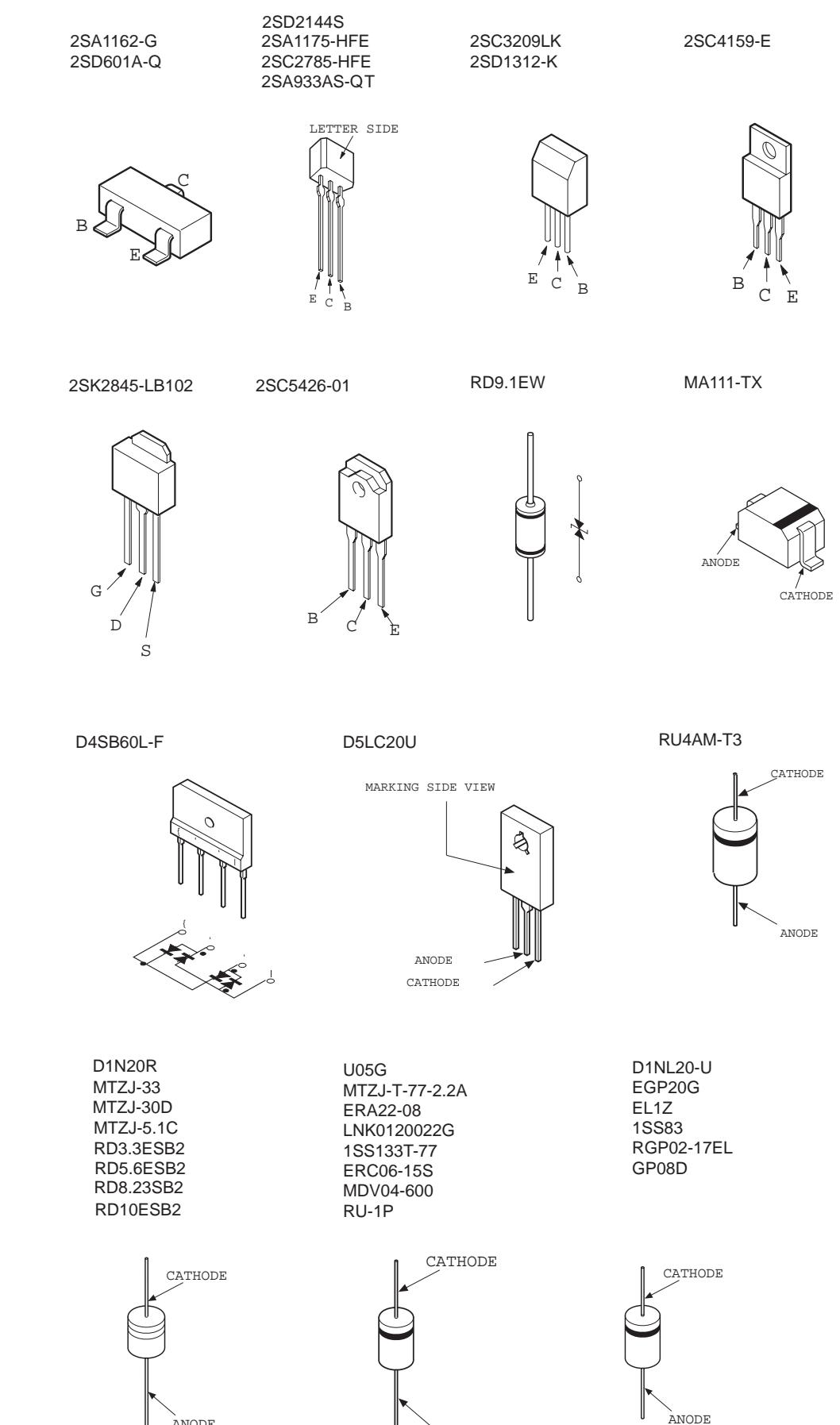


Schematic Diagrams
← [CV C E] boards [HV] board →

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6.4 SEMICONDUCTORS



ANODE

SECTION 6

EXPLODED VIEWS

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The component parts of an assembly are indicated by the reference numbers in the remarks column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

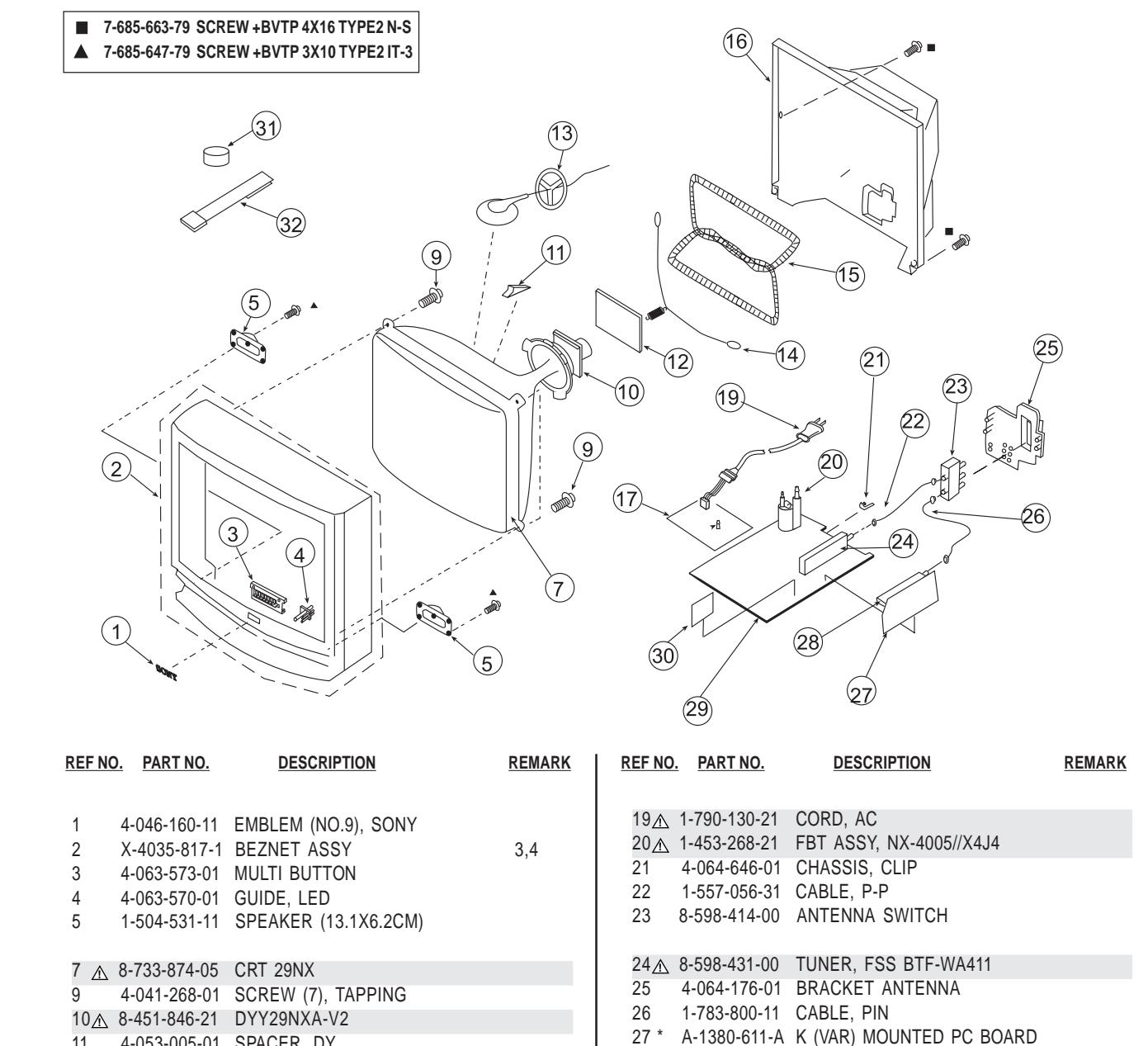
Not

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

composants identifies per un trame et une marque  t critiques pour la securite. Ne les remplacer que par une ce portant le numero specifie.

7-1. CHASSIS (KV-27S66)

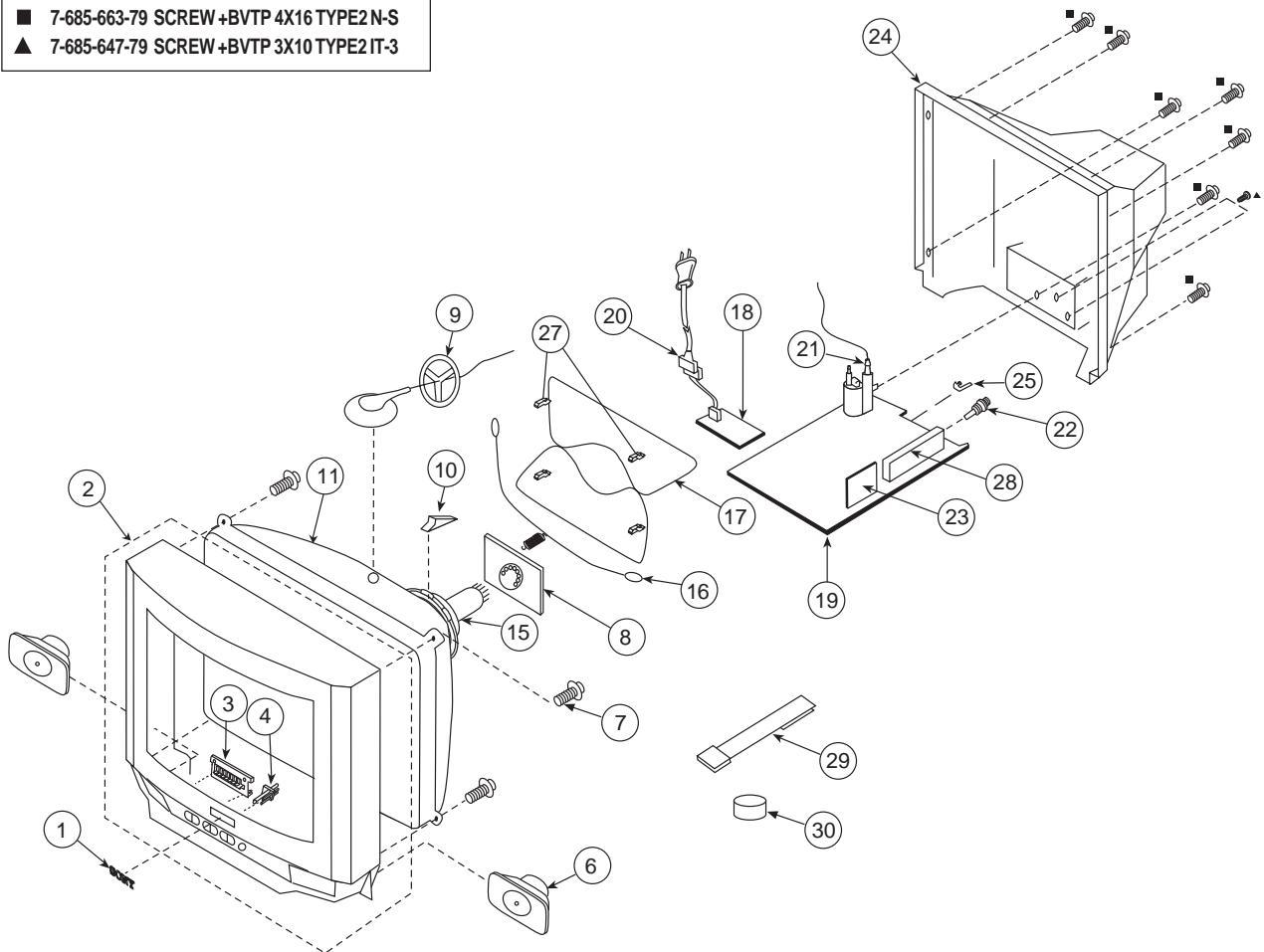
- 7-685-663-79 SCREW +BVTP 4X16 TYPE2 N-S
- ▲ 7-685-647-79 SCREW +BVTP 3X10 TYPE2 IT-3



— 16 —

7-2. CHASSIS (KV-27S46/27S42/29SL42/29SL42C/29SL46/29XL42M)

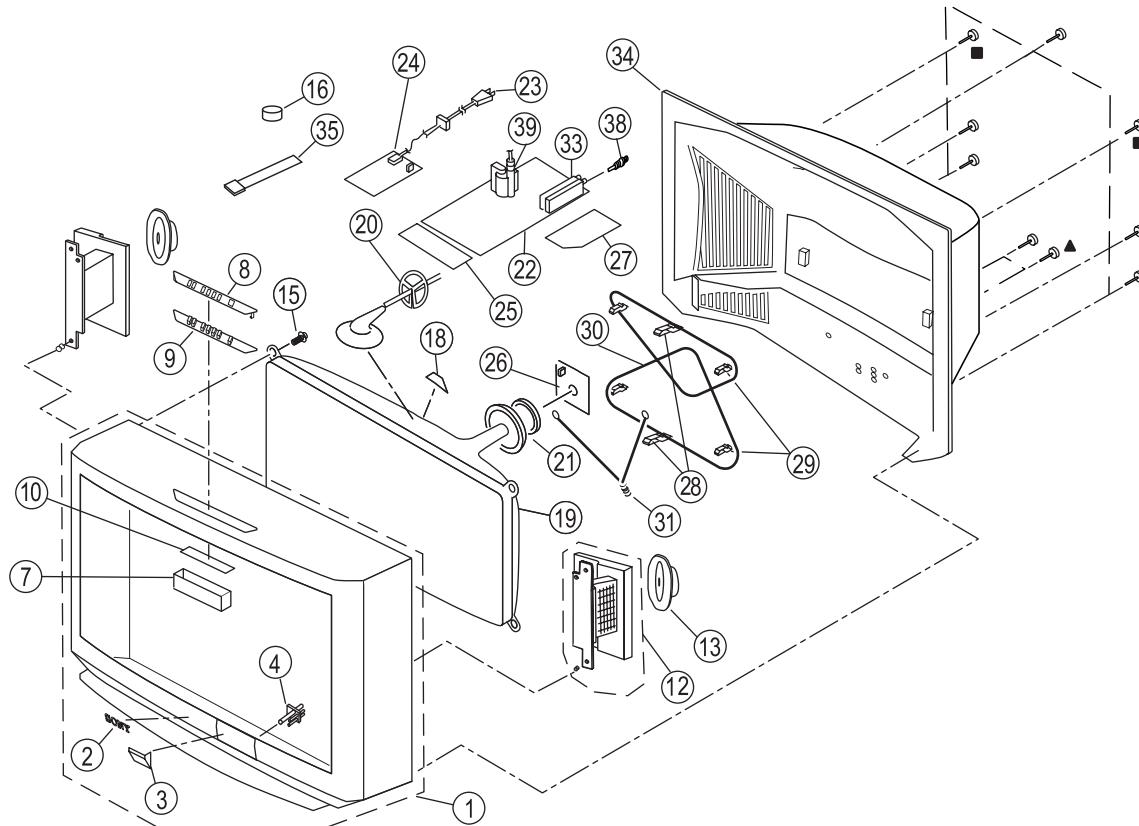
- 7-685-663-79 SCREW+BVTP 4X16 TYPE2N-S
- ▲ 7-685-647-79 SCREW+BVTP 3X10 TYPE2IT-3



REF NO.	PART NO.	DESCRIPTION	REMARK	REF NO.	PART NO.	DESCRIPTION	REMARK
1	4-046-160-11	EMBLEM (NO.9), SONY		18 *	A-1343-654-A	E (VAR) MOUNTED PC BOARD (KV-27S42/27S46)	
2	X-4035-816-1	BEZNET ASSY (KV-27S46/29SL46)	3-4	19 *	A-1298-900-A	A COMPLETE PC BOARD (KV-27S46)	
2	X-4035-818-1	BEZNET ASSY (KV-29XL42M)	3-4	19 *	A-1298-904-A	A COMPLETE PC BOARD (KV-29XL42M/29SL42/29SL42C)	
2	X-4035-815-1	BEZNET ASSY (KV-27S42/29SL42/42C)	3-4	19 *	A-1298-911-A	A COMPLETE PC BOARD (KV-29SL46)	
3	4-063-573-01	MULTI BUTTON		19 *	A-1298-840-A	A COMPLETE PC BOARD (KV-27S42)	
4	4-063-570-01	GUIDE, LED		20 △	1-790-130-21	CORD, AC (KV-27S42/27S46)	
6	1-504-531011	SPEAKER (13.1 x 6.2CM)		20 △	1-751-057-11	CORD, POWER (WITH CONNECTOR) 10A/125V (KV-29SL42/29XL42M/29SL46)	
7	4-041-268-01	SCREW (7), TAPPING		20 △	1-769-796-31	CORD, POWER (WITH CONNECTOR) 10A/125V (KV-29SL42C)	
8	* A-1331-920-A	C MOUNTED PC BOARD		21 △	1-453-268-21	FBT ASSY NX-4005//X4J4	
9	3-704-372-31	HOLDER, HV CABLE		22	1-766-374-11	PLUG, F-PIN	
10	4-053-005-01	SPACER, DY		23 *	A-1195-154-A	P COMPLETE PC BOARD (KV-27S46/29SL46)	
11 △	8-733-873-05	CRT 29NX (EXCEPT KV-29SL42C)		24	4-063-572-02	COVER, REAR	
11 △	8-733-874-05	CRT 29NX (KV-29SL42C only)		25	4-064-646-01	CHASSIS, CLIP	
15 △	8-451-846-21	DYY29NXA-V2		27	4-040-388-01	HOLDER (S), DGC (EXCEPT KV-29SL46)	
16	4-036-329-01	SPRING (B), TENSION		28 △	8-598-431-00	TUNER, FSS BTF-WA411	
17 △	1-416-952-11	COIL, DEGAUSSING (KV-29SL42/29XL42M/29SL42C/29SL46)		29	4-062-047-01	PIECE A(110), CONV CORRECT	
17 △	1-416-588-11	COIL, DEMAGNETIC (KV-27S42/27S46)		30	1-452-032-00	MAGNET,DISC	
18 *	A-1343-656-A	E (VAR) MOUNTED PC BOARD (KV-29SL42/29XL42M/29SL46)					

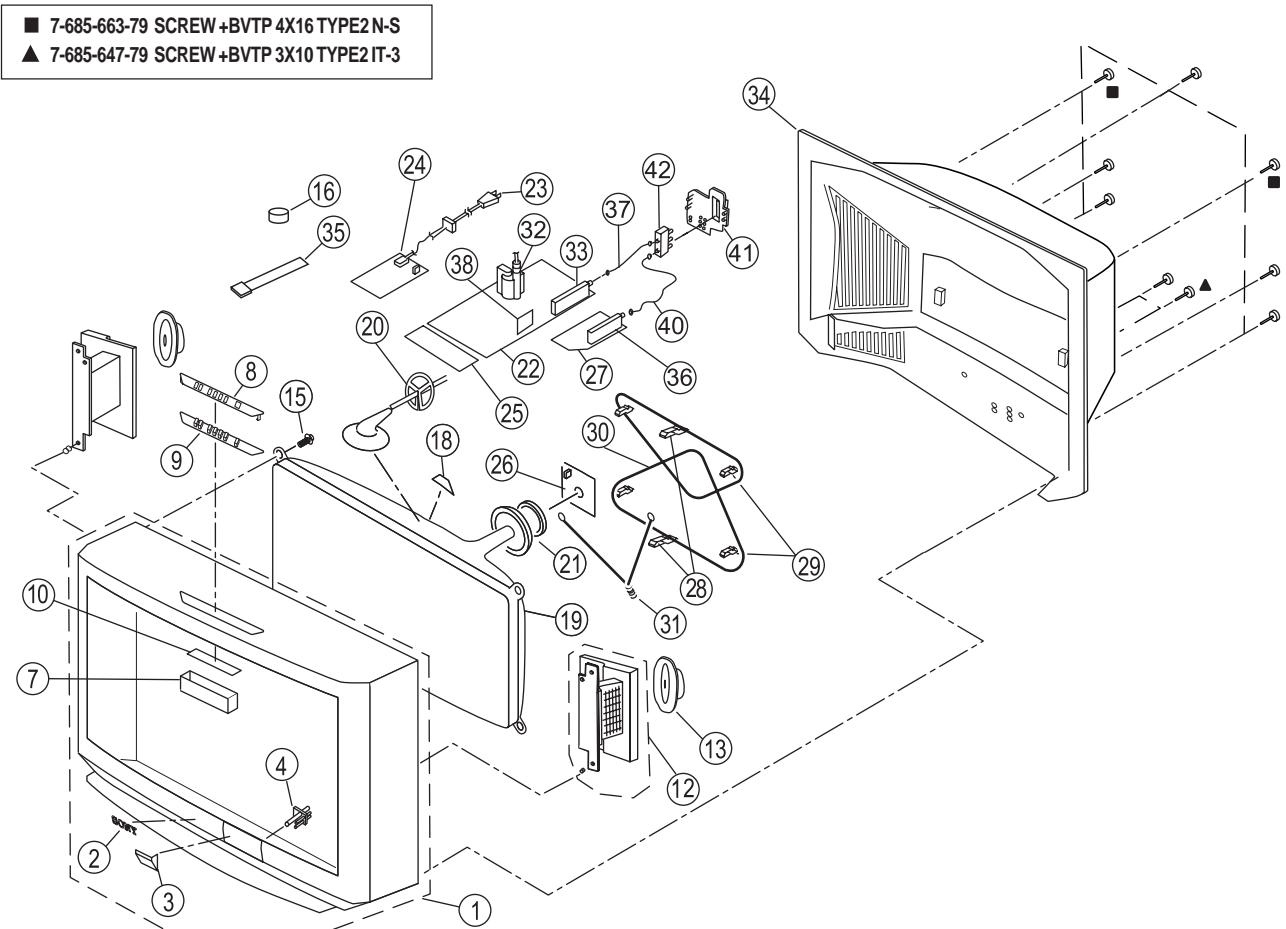
7-3. CHASSIS (KV-29AL42/29AL42C)

- 7-685-663-79 SCREW +BVTP 4X16 TYPE2 N-S
- ▲ 7-685-647-79 SCREW +BVTP 3X10 TYPE2 IT-3



REF NO.	PART NO.	DESCRIPTION	REMARK	REF NO.	PART NO.	DESCRIPTION	REMARK
1	X-4035-965-1	BEZNET ASSY	2-4	21 △	8-451-486-11	DY Y29NXA-V	
2	4-046-160-01	EMBLEM (NO.9), SONY		22 *	A-1298-903-A	A COMPLETE PC BOARD (KV-29AL42/42C)	
3	4-064-768-01	DOOR		23 △	1-751-057-11	CORD, POWER (WITH CONNECTOR) 10A/125V	
4	4-064-767-01	GUIDE, LED		24 *	A-1343-656-A	E (VAR) MOUNTED PC BOARD	
7	4-064-764-01	BRACKET, TOP CONTROL		25 *	A-1372-617-A	HV (VAR) MOUNTED PC BOARD	
8	4-064-763-01	PANEL, TOP CONTROL		26 *	A-1331-921-A	CV MOUNTED PC BOARD	
9	4-064-765-01	BUTTON, TOP CONTROL		27 *	A-1380-612-A	K (VAR) MOUNTED PC BOARD	
10 *	1-1372-616-A	HT MOUNTED PC BOARD		28	4-040-387-01	HOLDER (M), DGC	
12	X-4035-964-1	BAFFLE ASSY, SPEAKER		29	4-040-388-01	HOLDER (S), DGC	
13	1-505-993-11	SPEAKER (8X13CM)		30 △	1-416-952-11	COIL, DEGAUSSING	
15	4-041-268-01	SCREW (7), TAPPING		31	4-036-329-01	SPRING (B), TENSION	
16	1-452-032-00	MAGNET,DISC		33 △	8-598-431-00	TUNER, FSS BTF-A411	
18	4-053-005-01	SPACER, DY		34	4-064-762-11	COVER, REAR	
19 △	8-733-873-05	CRT 29NX (KV-29AL42)		35	4-062-047-01	PIECE A (110), CONV CORRECT	
19 △	8-733-874-05	CRT 29NX (KV-29AL42C)		38	1-766-374-11	PLUG, F-PIN	
20	3-704-372-31	HOLDER, HV CABLE		39 △	1-453-268-21	TRANSFORMER, FBT ASSY NX-4005//X4J4	

7-4. CHASSIS (KV-29AL66/29AL66C)



REF NO.	PART NO.	DESCRIPTION	REMARK	REF NO.	PART NO.	DESCRIPTION	REMARK
1	X-4036-607-1	BEZNET ASSY	2-4	23	△ 1-769-796-31	CORD, POWER (WITH CONNECTOR) 10A/125V (KV-29AL66C)	
2	4-046-160-01	EMBLEM (NO.9), SONY		24	* A-1343-656-A	E (VAR) MOUNTED PC BOARD	
3	4-064-768-01	DOOR		25	A-1372-617-A	HV (VAR) MOUNTED PC BOARD	
4	4-064-767-01	GUIDE, LED		26	* A-1331-921-A	CV MOUNTED PC BOARD	
7	4-064-764-01	BRACKET, TOP CONTROL		27	* A-1380-608-A	K (VAR) MOUNTED PC BOARD	
8	4-064-763-01	PANEL, TOP CONTROL		28	4-040-387-01	HOLDER (M), DGC	
9	4-064-765-01	BUTTON, TOP CONTROL		29	4-040-388-01	HOLDER (S), DGC	
10	*	1-1372-616-A	HT MOUNTED PC BOARD	30	△ 1-416-952-11	COIL, DEGAUSSING	
12	X-4035-964-1	BAFFLE ASSY, SPEAKER		31	4-036-329-01	SPRING (B), TENSION	
13	1-505-993-11	SPEAKER (8X13CM)		32	△ 1-453-268-21	TRANSFORMER, FBT ASSY NX-4005//X4J4	
15	4-041-268-01	SCREW (7), TAPPING		33	△ 8-598-431-00	TUNER, FSS BTF-A411	
16	1-452-032-00	MAGNET,DISC		34	4-064-762-11	COVER, REAR	
18	4-053-005-01	SPACER, DY		35	4-062-047-01	PIECE A (110), CONV CORRECT	
19	△ 8-733-874-05	CRT 29NX (KV-29AL66C)		36	△ 8-598-430-00	TUNER, BTF-FA401	
19	△ 8-733-873-05	CRT 29NX (KV-29AL66)		37	1-557-056-31	CABLE, P-P	
20	3-704-372-31	HOLDER, HV CABLE		38	*	A-1195-154-A	P COMPLETE PC BOARD
21	△ 8-451-486-11	DY Y29NXA-V		40	1-783-800-11	CABLE, PIN	
22	*	A-1298-842-A	A COMPLETE PC BOARD	41	4-064-176-11	BRACKET, ANTENNA	
23	△ 1-751-057-11	CORD, POWER (WITH CONNECTOR) 10A/125V (KV-29AL66)		42	8-598-414-00	ANTENNA SWITCH AS-2F	

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COMMON PARTS LISTING

A

Note:

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

The components identified by \blacksquare in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

Note:

Les composants identifiés par un trame et une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- Items marked with a asterisk "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

- All resistors are in ohms
- F : nonflammable

When indicating parts by reference number, please include the board name.

REF.NO.	PART NO.	DESCRIPTION	REMARK		REF.NO.	PART NO.	DESCRIPTION	REMARK	
	A				C062	1-164-161-11	CERAMIC	0.0022 μ F	10% 50V
					C065	1-163-009-11	CERAMIC	0.001 μ F	10% 50V
					C070	1-163-259-91	CERAMIC	220pF	5% 50V
					C080	1-164-005-11	CERAMIC	0.47 μ F	25V
					C081	1-164-005-11	CERAMIC	0.47 μ F	25V
					C091	1-163-231-11	CERAMIC	15pF	5% 50V
					C092	1-163-231-11	CERAMIC	15pF	5% 50V
					C101	1-126-963-11	ELECT	4.7 μ F	20% 50V
					C102	1-126-933-11	ELECT	100 μ F	20% 16V
					C150	1-126-941-11	ELECT	470 μ F	20% 25V
					C151	1-104-664-11	ELECT	47 μ F	20% 25V
					C200	1-126-959-11	ELECT	0.47 μ F	20% 50V
					C201	1-126-960-11	ELECT	1 μ F	20% 50V
					C202	1-126-960-11	ELECT	1 μ F	20% 50V
					C207	1-126-959-11	ELECT	0.47 μ F	20% 50V
					C208	1-126-959-11	ELECT	0.47 μ F	20% 50V
					C209	1-126-963-11	ELECT	4.7 μ F	20% 50V
					C211	1-126-964-11	ELECT	10 μ F	20% 50V
					C212	1-126-963-11	ELECT	4.7 μ F	20% 50V
					C213	1-126-964-11	ELECT	10 μ F	20% 50V
					C216		VARIANT (SEE VARIANT PARTS LIST)		
					C217		VARIANT (SEE VARIANT PARTS LIST)		
					C218	1-126-941-11	ELECT	470 μ F	20% 25V
					C219	1-130-495-00	FILM	0.1 μ F	5% 50V
					C222	1-126-964-11	ELECT	10 μ F	20% 50V
					C226	1-126-963-11	ELECT	4.7 μ F	20% 50V
					C243	1-163-017-00	CERAMIC	0.0047 μ F	10% 50V
					C250		VARIANT (SEE VARIANT PARTS LIST)		
					C251		VARIANT (SEE VARIANT PARTS LIST)		
					C252		VARIANT (SEE VARIANT PARTS LIST)		
					C255	1-104-760-11	CERAMIC	0.047 μ F	10% 50V
					C256	1-126-960-11	ELECT	1 μ F	20% 50V
					C257	1-126-960-11	ELECT	1 μ F	20% 50V
					C258	1-126-959-11	ELECT	0.47 μ F	20% 50V
					C259	1-163-021-91	CERAMIC	0.01 μ F	10% 50V
					C280		VARIANT (SEE VARIANT PARTS LIST)		
					C281		VARIANT (SEE VARIANT PARTS LIST)		
					C282		VARIANT (SEE VARIANT PARTS LIST)		
					C284	1-104-664-11	ELECT	47 μ F	20% 25V
					C285	1-126-933-11	ELECT	100 μ F	20% 16V
					C286	1-163-251-11	CERAMIC	100pF	5% 50V



COMMON PARTS LISTING

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

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REF.NO.	PART NO.	DESCRIPTION	REMARK		REF.NO.	PART NO.	DESCRIPTION	REMARK			
C287	1-126-959-11	ELECT	0.47 μ F	20%	50V	C400	1-126-963-11	ELECT	4.7 μ F	20%	50V
C288	1-126-960-11	ELECT	1 μ F	20%	50V	C401	1-126-956-91	ELECT	0.1 μ F	20%	50V
C289	1-126-960-11	ELECT	1 μ F	20%	50V	C402	1-163-017-00	CERAMIC	0.0047 μ F	10%	50V
C290	1-164-005-11	CERAMIC	0.47 μ F		25V	C403	1-126-963-11	ELECT	4.7 μ F	20%	50V
C301	1-163-233-11	CERAMIC	18pF	5%	50V	C404	1-126-963-11	ELECT	4.7 μ F	20%	50V
C303	1-126-963-11	ELECT	4.7 μ F	20%	50V	C405	1-126-963-11	ELECT	4.7 μ F	20%	50V
C304	1-163-038-91	CERAMIC	0.1 μ F		25V	C406	1-126-963-11	ELECT	4.7 μ F	20%	50V
C305	1-164-004-11	CERAMIC	0.1 μ F	10%	25V	C407	1-126-964-11	ELECT	10 μ F	20%	50V
C306	1-164-004-11	CERAMIC	0.1 μ F	10%	25V	C410	1-126-963-11	ELECT	4.7 μ F	20%	50V
C307	1-126-964-11	ELECT	10 μ F	20%	50V	C411	1-126-956-91	ELECT	0.1 μ F	20%	50V
C308	1-126-964-11	ELECT	10 μ F	20%	50V	C412	1-130-495-00	FILM	0.1 μ F	5%	50V
C309	1-163-021-91	CERAMIC	0.01 μ F	10%	50V	C413	1-126-967-11	ELECT	47 μ F	20%	50V
C310	1-126-960-11	ELECT	1 μ F	20%	50V	C414	1-163-017-00	CERAMIC	0.0047 μ F	10%	50V
C311	1-163-021-91	CERAMIC	0.01 μ F	10%	50V	C415	1-126-956-91	ELECT	0.1 μ F	20%	50V
C312	1-126-942-61	ELECT	1000 μ F	20%	25V	C416	1-126-963-11	ELECT	4.7 μ F	20%	50V
C313	1-163-021-91	CERAMIC	0.01 μ F	10%	50V	C418		VARIANT (SEE VARIANT PARTS LIST)			
C314	1-163-003-11	CERAMIC	330pF	10%	50V	C501	1-102-112-00	CERAMIC	330pF	10%	50V
C316	1-163-021-91	CERAMIC	0.01 μ F	10%	50V	C502	1-106-383-00	MYLAR	0.047 μ F	10%	200V
C317	1-163-021-91	CERAMIC	0.01 μ F	10%	50V	C503	1-102-212-00	CERAMIC	820pF	10%	500V
C318	1-163-021-91	CERAMIC	0.01 μ F	10%	50V	C504	1-102-002-00	CERAMIC	680pF	10%	500V
C319	1-126-963-11	ELECT	4.7 μ F	20%	50V	C505 \triangle	1-162-134-11	CERAMIC	470pF	10%	2KV
C320	1-126-959-11	ELECT	0.47 μ F	20%	50V	C507 \triangle	1-119-969-11	MYLAR	14000pF	3%	1.5KV
C321	1-163-133-00	CERAMIC	470pF	5%	50V	C508 \triangle	1-107-364-11	MYLAR	0.01 μ F	10%	200V
C323	1-163-121-00	CERAMIC	150pF	5%	50V	C509 \triangle	1-162-116-00	CERAMIC	680pF	10%	2KV
C324	1-163-251-11	CERAMIC	100pF	5%	50V	C510	1-107-649-11	ELECT	2.2 μ F	20%	250V
C331	1-163-005-11	CERAMIC	470pF	10%	50V	C511 \triangle	1-117-673-11	FILM	1.5 μ F	5%	250V
C332	1-163-009-11	CERAMIC	0.001 μ F	10%	50V	C512	1-106-395-00	MYLAR	0.15 μ F	10%	200V
C350	1-163-021-91	CERAMIC	0.01 μ F	10%	50V	C513	1-106-343-00	MYLAR	0.001 μ F	10%	100V
C351	1-126-964-11	ELECT	10 μ F	20%	50V	C514	1-117-891-11	FILM	0.62 μ F	5%	250V
C352	1-163-021-91	CERAMIC	0.01 μ F	10%	50V	C515 \triangle	1-162-116-00	CERAMIC	680pF	10%	2KV
C353	1-163-038-91	CERAMIC	0.1 μ F		25V	C520 \triangle	1-129-722-00	FILM	0.047 μ F	5%	630V
C354	1-163-038-91	CERAMIC	0.1 μ F		25V	C521	1-164-646-11	CERAMIC	2200pF	10%	500V
C355	1-164-222-11	CERAMIC	0.22 μ F		25V	C523	1-107-652-11	ELECT	10 μ F	20%	250V
C356	1-163-038-91	CERAMIC	0.1 μ F		25V	C524	1-102-244-00	CERAMIC	220pF	10%	500V
C357	1-163-021-91	CERAMIC	0.01 μ F	10%	50V	C525	1-162-815-11	CERAMIC	47pF	5%	500V
C358	1-104-664-11	ELECT	47 μ F	20%	25V	C526	1-126-960-11	ELECT	1 μ F	20%	50V
C359	1-163-021-91	CERAMIC	0.01 μ F	10%	50V	C527	1-126-965-11	ELECT	22 μ F	20%	50V
C360	1-163-021-91	CERAMIC	0.01 μ F	10%	50V	C528	1-164-690-91	CERAMIC	0.0022 μ F	5%	50V
C361	1-163-037-11	CERAMIC	0.022 μ F	10%	50V	C529	1-164-161-11	CERAMIC	0.0022 μ F	10%	50V
C362	1-126-964-11	ELECT	10 μ F	20%	50V	C530	1-163-009-11	CERAMIC	0.001 μ F	10%	50V
C363	1-126-960-11	ELECT	1 μ F	20%	50V	C531	1-106-387-00	MYLAR	0.068 μ F	10%	200V
C370		VARIANT (SEE VARIANT PARTS LIST)				C541	1-126-969-11	ELECT	220 μ F	20%	50V
C371		VARIANT (SEE VARIANT PARTS LIST)				C542	1-126-967-11	ELECT	47 μ F	20%	50V
C372		VARIANT (SEE VARIANT PARTS LIST)				C543	1-137-194-81	FILM	0.47 μ F	5%	50V
C373	1-163-038-91	CERAMIC	0.1 μ F		25V	C553	1-107-662-11	ELECT	22 μ F	20%	250V
C374	1-126-935-11	ELECT	470 μ F	20%	16V	C555	1-164-161-11	CERAMIC	0.0022 μ F	10%	50V
C375	1-163-038-91	CERAMIC	0.1 μ F		25V	C562	1-126-941-11	ELECT	470 μ F	20%	25V
C376	1-104-664-11	ELECT	47 μ F	20%	25V	C564	1-126-941-11	ELECT	470 μ F	20%	25V
C377	1-126-964-11	ELECT	10 μ F	20%	50V	C571 \triangle	1-126-964-11	ELECT	10 μ F	20%	50V
C380		VARIANT (SEE VARIANT PARTS LIST)				C573	1-126-963-11	ELECT	4.7 μ F	20%	50V
C381		VARIANT (SEE VARIANT PARTS LIST)				C574	1-107-635-11	ELECT	4.7 μ F	20%	160V
C382		VARIANT (SEE VARIANT PARTS LIST)				C575 \triangle	1-163-021-91	CERAMIC	0.01 μ F	10%	50V
C390	1-126-959-11	ELECT	0.47 μ F	20%	50V	C576	1-123-024-21	ELECT	33 μ F		160V
C399	1-126-964-11	ELECT	10 μ F	20%	50V	C581	1-126-963-11	ELECT	4.7 μ F	20%	50V

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COMMON PARTS LISTING

A

REF.NO.	PART NO.	DESCRIPTION	REMARK			REF.NO.	PART NO.	DESCRIPTION	REMARK
C591	1-106-355-12	MYLAR	0.0033 μ F	10%	200V			DIODE	
C601	1-130-495-00	MYLAR	0.1 μ F	5%	50V	D001	8-719-921-44	DIODE MTZJ-5.1C	
C602	1-126-967-11	ELECT	47 μ F	20%	50V	D002		VARIANT (SEE VARIANT PARTS LIST)	
C609	1-126-968-11	ELECT	100 μ F	20%	50V	D003	8-719-991-33	DIODE 1SS133T-77	
C610	1-126-964-11	ELECT	10 μ F	20%	50V	D004	8-719-991-33	DIODE 1SS133T-77	
C613		VARIANT (SEE VARIANT PARTS LIST)				D005	8-719-109-89	DIODE RD5.6ESB2	
C614	1-126-964-11	ELECT	10 μ F	20%	50V	D201	8-719-110-17	DIODE RD10ESB2	
C615		VARIANT (SEE VARIANT PARTS LIST)				D202	8-719-110-17	DIODE RD10ESB2	
C616		VARIANT (SEE VARIANT PARTS LIST)				D204	8-719-110-17	DIODE RD10ESB2	
C617		VARIANT (SEE VARIANT PARTS LIST)				D205	8-719-982-22	DIODE MTZJ-30D	
C618	1-125-893-11	FILM	680 μ F	3%	1.5KV	D207	8-719-109-66	DIODE RD3.3ESB2	
C620	1-164-081-11	CERAMIC	470 μ F	10%	50V	D208		VARIANT (SEE VARIANT PARTS LIST)	
C621	1-136-356-11	FILM	470 μ F	5%	50V	D250	8-719-108-12	DIODE RD9.1EW	
C625	1-164-625-11	CERAMIC	680 μ F	10%	500V	D251	8-719-108-12	DIODE RD9.1EW	
C626	1-126-933-11	ELECT	100 μ F	20%	16V	D252	8-719-110-17	DIODE RD10ESB2	
C627		VARIANT (SEE VARIANT PARTS LIST)				D253	8-719-110-17	DIODE RD10ESB2	
C629	1-104-665-11	ELECT	100 μ F	20%	25V	D254	8-719-110-17	DIODE RD10ESB2	
C630	1-124-347-00	ELECT	100 μ F	20%	160V	D255	8-719-110-17	DIODE RD10ESB2	
C631	1-126-944-11	ELECT	3300 μ F	20%	25V	D280		VARIANT (SEE VARIANT PARTS LIST)	
C633	1-104-341-11	FILM	0.1 μ F	10%	250V	D281		VARIANT (SEE VARIANT PARTS LIST)	
C634	1-130-471-00	MYLAR	0.001 μ F	5%	50V	D302	8-719-921-44	DIODE MTZJ-5.1C	
C638	1-104-665-11	ELECT	100 μ F	20%	25V	D303	8-719-991-33	DIODE 1SS133T-77	
C639	1-125-772-91	CERAMIC	1500 μ F	10%	2KV	D304	8-719-991-33	DIODE 1SS133T-77	
C640	1-164-625-11	CERAMIC	680 μ F	10%	500V	D305	8-719-991-33	DIODE 1SS133T-77	
C641	1-126-943-11	ELECT	2200 μ F	20%	25V	D306	8-719-991-33	DIODE 1SS133T-77	
C653	1-104-664-11	ELECT	47 μ F	20%	25V	D388	8-719-921-44	DIODE MTZJ-5.1C	
C654	1-126-933-11	ELECT	100 μ F	20%	16V	D403		VARIANT (SEE VARIANT PARTS LIST)	
C655	1-107-636-11	ELECT	10 μ F	20%	160V	D501	8-719-945-80	DIODE ERC06-15S	
C690	1-126-959-11	ELECT	0.47 μ F	20%	50V	D502	8-719-908-03	DIODE GP08D	
C691	1-126-941-11	ELECT	470 μ F	20%	25V	D503	8-719-908-03	DIODE GP08D	
C692	1-104-664-11	ELECT	47 μ F	20%	25V	D520	8-719-067-63	DIODE MDV04-600RL	
C693	1-137-194-81	FILM	0.47 μ F	5%	50V	D521	8-719-302-43	DIODE EL1Z	
C699		VARIANT (SEE VARIANT PARTS LIST)				D522	8-719-991-33	DIODE 1SS133T-77	
CONNECTOR									
CN101	1-508-786-00	PIN, CONNECTOR (5MM PITCH)	2P			D523	8-719-991-33	DIODE 1SS133T-77	
CN150		VARIANT (SEE VARIANT PARTS LIST)				D541	8-719-908-03	DIODE GP08D	
CN151		VARIANT (SEE VARIANT PARTS LIST)				D550	8-719-110-08	DIODE RD8.2ESB2	
CN152		VARIANT (SEE VARIANT PARTS LIST)				D551	8-719-991-33	DIODE 1SS133T-77	
CN203	1-560-124-00	PLUG, CONNECTOR (2.5MM)	4P			D552	8-719-302-43	DIODE EL1Z	
CN251		VARIANT (SEE VARIANT PARTS LIST)				D561	8-719-979-85	DIODE EGP20G	
CN253		VARIANT (SEE VARIANT PARTS LIST)				D562	8-719-979-85	DIODE EGP20G	
CN254	1-564-508-11	PLUG, CONNECTOR	5P			D571 \triangle	8-719-991-33	DIODE 1SS133T-77	
CN255	1-564-510-11	PLUG, CONNECTOR	7P			D572	8-719-991-33	DIODE 1SS133T-77	
CN301		VARIANT (SEE VARIANT PARTS LIST)				D573	8-719-110-08	DIODE RD8.2ESB2	
CN302		VARIANT (SEE VARIANT PARTS LIST)				D574	8-719-302-43	DIODE EL1Z	
CN401	1-564-505-11	PLUG, CONNECTOR	2P			D581 \triangle	8-719-991-33	DIODE 1SS133T-77	
CN402	1-564-505-11	PLUG, CONNECTOR	2P			D602	8-719-991-33	DIODE 1SS133T-77	
CN501	1-580-798-11	CONNECTOR PIN (DY)	6P			D603	8-719-982-26	DIODE MTZJ-33B	
CN502	1-564-509-11	PLUG, CONNECTOR	6P			D604	8-719-028-72	DIODE RGP02-17EL-6433	
CN601	1-580-843-11	PIN, CONNECTOR (POWER)	2P			D605	8-719-510-53	DIODE D4SB60L	
CN602	1-508-786-00	PIN, CONNECTOR (5MM PITCH)	2P			D606	8-719-108-18	THYRISTOR 5P6M	
CN604	1-564-506-11	PLUG, CONNECTOR	3P			D607	8-719-991-33	DIODE 1SS133T-77	
						D608	8-719-110-53	DIODE RD20ESB2	
						D609		VARIANT (SEE VARIANT PARTS LIST)	



COMMON PARTS LISTING

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
CHIP CONDUCTOR							
D610	8-719-510-02	DIODE D1NS4		JR003	1-216-295-91	SHORT	
D611	8-719-063-70	DIODE D1NL20U					
D612	8-719-110-17	DIODE RD10ESB2					
D613	8-719-063-70	DIODE D1NL20U					
D614	8-719-063-70	DIODE D1NL20U					
D615	8-719-312-10	DIODE RU4AM-T3					
D617	8-719-510-37	DIODE D5LC20U					
D620	8-719-110-17	DIODE RD10ESB2					
D630	8-719-510-37	DIODE D5LC20U					
D640	8-719-991-33	DIODE 1SS133T-77					
D650	8-719-109-89	DIODE RD5.6ESB2					
FERRITE BEAD							
FB350	1-216-295-91	SHORT					
FB501	1-410-396-41	FERRITE	0.45 μ H				
FB521	1-410-397-21	FERRITE	1.1 μ H				
FB522	1-410-397-21	FERRITE	1.1 μ H				
FB600	1-412-911-11	FERRITE					
FB601	1-412-911-11	FERRITE					
FB602	1-412-911-11	FERRITE					
FB603	1-412-911-11	FERRITE					
FB604	1-412-911-11	FERRITE					
FB605	1-412-911-11	FERRITE					
FB606	1-412-911-11	FERRITE					
FB609	1-412-911-11	FERRITE					
COIL							
L001	1-414-267-11	INDUCTOR	10 μ H				
L002	1-414-273-11	INDUCTOR	100 μ H				
L003	1-414-273-11	INDUCTOR	100 μ H				
L101	1-414-267-11	INDUCTOR	10 μ H				
L150	1-414-273-11	INDUCTOR	100 μ H				
L151	1-414-267-11	INDUCTOR	10 μ H				
L301	1-414-271-11	INDUCTOR	47 μ H				
L302	1-414-267-11	INDUCTOR	10 μ H				
L350	1-414-267-11	INDUCTOR	10 μ H				
L351	1-414-271-11	INDUCTOR	47 μ H				
L501 \triangle	1-411-976-11	COIL, HORIZONTAL LINEARITY					
L502	1-412-552-11	INDUCTOR	2.2mH				
L503	1-406-677-11	INDUCTOR	10mH				
L504	1-412-533-21	INDUCTOR	47 μ H				
L520	1-409-955-11	INDUCTOR	8mH				
L591 \triangle	1-412-528-61	INDUCTOR	18 μ H				
L601	1-412-529-11	INDUCTOR	22 μ H				
L642	1-412-529-11	INDUCTOR	22 μ H				
L643	1-412-525-31	INDUCTOR	10 μ H				
PHOTO COUPLER							
PH600 \triangle 8-749-010-64 PHOTO COUPLER PC123F2							
IC							
IC001	8-759-562-90	IC M37273 μ F-251SP					
IC002	8-759-575-47	IC NJM78LR05BM-TE2					
IC003	8-759-527-75	IC M24C04-MN6T					
IC004		VARIANT (SEE VARIANT PARTS LIST)					
IC010	8-759-450-93	IC NJM2521M-TE1					
IC202	8-759-100-96	IC UPC4558G2					
IC203		VARIANT (SEE VARIANT PARTS LIST)					
IC301	8-752-090-39	IC CXA2133S					
IC302	8-752-385-80	IC CXD2073S					
IC401		VARIANT (SEE VARIANT PARTS LIST)					
IC402	8-752-072-39	IC CXA2021S					
IC521	8-759-700-07	IC NJM2903M					
IC541	8-759-980-58	IC TDA8172					
IC601		VARIANT (SEE VARIANT PARTS LIST)					
IC602 \triangle	8-749-920-61	IC SE-135N					
IC604	8-759-198-03	IC PQ09RF21					
IC LINK							
PS201		VARIANT (SEE VARIANT PARTS LIST)					
TRANSISTOR							
Q001	8-729-216-22	TRANSISTOR 2SA1162-G					
Q080		VARIANT (SEE VARIANT PARTS LIST)					
Q082	8-729-422-27	TRANSISTOR 2SD601A-Q					
Q083	8-729-422-27	TRANSISTOR 2SD601A-Q					
Q101	8-729-422-27	TRANSISTOR 2SD601A-Q					
Q170	8-729-422-27	TRANSISTOR 2SD601A-Q					
Q200	8-729-422-27	TRANSISTOR 2SD601A-Q					
Q201	8-729-422-27	TRANSISTOR 2SD601A-Q					
Q203	8-729-216-22	TRANSISTOR 2SA1162-G					
Q280		VARIANT (SEE VARIANT PARTS LIST)					
Q281		VARIANT (SEE VARIANT PARTS LIST)					
Q282		VARIANT (SEE VARIANT PARTS LIST)					
Q283		VARIANT (SEE VARIANT PARTS LIST)					
Q284		VARIANT (SEE VARIANT PARTS LIST)					
Q285		VARIANT (SEE VARIANT PARTS LIST)					
JACK							
J200	1-774-750-21	JACK BLOCK, PIN 2P					
J201	1-774-751-11	TERMINAL BLOCK, S					
J202		VARIANT (SEE VARIANT PARTS LIST)					
J204		VARIANT (SEE VARIANT PARTS LIST)					

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COMMON PARTS LISTING

A

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
Q286	8-729-216-22	TRANSISTOR 2SA1162-G		R013	1-216-081-00	RES, CHIP	22K 5% 1/10W
Q287	8-729-216-22	TRANSISTOR 2SA1162-G		R016	1-216-041-00	RES, CHIP	470 5% 1/10W
Q288	8-729-422-27	TRANSISTOR 2SD601A-Q		R017	1-216-113-00	RES, CHIP	470K 5% 1/10W
Q300 Δ	8-729-422-27	TRANSISTOR 2SD601A-Q		R018	1-216-049-91	RES, CHIP	1K 5% 1/10W
Q302	8-729-422-27	TRANSISTOR 2SD601A-Q		R019	1-216-065-91	RES, CHIP	4.7K 5% 1/10W
Q305	8-729-216-22	TRANSISTOR 2SA1162-G		R020		VARIANT (SEE VARIANT PARTS LIST)	
Q306	8-729-216-22	TRANSISTOR 2SA1162-G		R021		VARIANT (SEE VARIANT PARTS LIST)	
Q307	8-729-216-22	TRANSISTOR 2SA1162-G		R022		VARIANT (SEE VARIANT PARTS LIST)	
Q308	8-729-216-22	TRANSISTOR 2SA1162-G		R023		VARIANT (SEE VARIANT PARTS LIST)	
Q309	8-729-216-22	TRANSISTOR 2SA1162-G		R025	1-249-426-11	CARBON	5.6K 5% 1/4W
Q310	8-729-216-22	TRANSISTOR 2SA1162-G		R026	1-249-426-11	CARBON	5.6K 5% 1/4W
Q349	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R027	1-249-426-11	CARBON	5.6K 5% 1/4W
Q350	8-729-216-22	TRANSISTOR 2SA1162-G		R028	1-216-049-91	RES, CHIP	1K 5% 1/10W
Q351	8-729-422-27	TRANSISTOR 2SD601A-Q		R031	1-216-045-00	RES, CHIP	680 5% 1/10W
Q352	8-729-216-22	TRANSISTOR 2SA1162-G		R032	1-247-815-91	CARBON	220 5% 1/4W
Q353	8-729-216-22	TRANSISTOR 2SA1162-G		R033	1-247-815-91	CARBON	220 5% 1/4W
Q354	8-729-216-22	TRANSISTOR 2SA1162-G		R034	1-216-033-00	RES, CHIP	220 5% 1/10W
Q355	8-729-422-27	TRANSISTOR 2SD601A-Q		R035	1-216-033-00	RES, CHIP	220 5% 1/10W
Q356	8-729-216-22	TRANSISTOR 2SA1162-G		R038	1-216-049-91	RES, CHIP	1K 5% 1/10W
Q357	8-729-216-22	TRANSISTOR 2SA1162-G		R039	1-216-295-91	SHORT	
Q358	8-729-422-27	TRANSISTOR 2SD601A-Q		R040	1-249-413-11	CARBON	470 5% 1/4W
Q359	8-729-216-22	TRANSISTOR 2SA1162-G		R041	1-216-033-00	RES, CHIP	220 5% 1/10W
Q360	8-729-216-22	TRANSISTOR 2SA1162-G		R043	1-216-049-91	RES, CHIP	1K 5% 1/10W
Q361	8-729-422-27	TRANSISTOR 2SD601A-Q		R044	1-247-815-91	CARBON	220 5% 1/4W
Q390		VARIANT (SEE VARIANT PARTS LIST)		R045	1-216-065-91	RES, CHIP	4.7K 5% 1/10W
Q391		VARIANT (SEE VARIANT PARTS LIST)		R046	1-247-815-91	CARBON	220 5% 1/4W
Q501	8-729-140-50	TRANSISTOR 2SC3209LK		R047	1-216-065-91	RES, CHIP	4.7K 5% 1/10W
Q502	8-729-043-43	TRANSISTOR 2SC5426-01		R048	1-216-025-91	RES, CHIP	100 5% 1/10W
Q521	8-729-422-27	TRANSISTOR 2SD601A-Q		R049	1-216-089-91	RES, CHIP	47K 5% 1/10W
Q522	8-729-809-29	TRANSISTOR 2SC4159-E		R050	1-216-073-00	RES, CHIP	10K 5% 1/10W
Q550	8-729-119-78	TRANSISTOR 2SC2785-HFE		R051	1-216-033-00	RES, CHIP	220 5% 1/10W
Q555	8-729-422-27	TRANSISTOR 2SD601A-Q		R052	1-216-033-00	RES, CHIP	220 5% 1/10W
Q571 Δ	8-729-200-17	TRANSISTOR 2SA1091-O		R054	1-216-073-00	RES, CHIP	10K 5% 1/10W
Q601	8-729-922-37	TRANSISTOR 2SD2144S-UVW		R056	1-216-065-91	RES, CHIP	4.7K 5% 1/10W
Q602	8-729-119-78	TRANSISTOR 2SC2785-HFE		R057	1-216-065-91	RES, CHIP	4.7K 5% 1/10W
Q603	8-729-119-76	TRANSISTOR 2SA1175-HFE		R058	1-216-065-91	RES, CHIP	4.7K 5% 1/10W
Q604	8-729-119-78	TRANSISTOR 2SC2785-HFE		R060	1-216-295-91	SHORT	
Q607	8-729-922-37	TRANSISTOR 2SD2144S-UVW		R061	1-216-295-91	SHORT	
Q610	8-729-119-78	TRANSISTOR 2SC2785-HFE		R065		VARIANT (SEE VARIANT PARTS LIST)	
Q630	8-729-119-78	TRANSISTOR 2SC2785-HFE		R066	1-216-033-00	RES, CHIP	220 5% 1/10W
Q650	8-729-111-55	TRANSISTOR 2SD1312-K		R069	1-247-815-91	CARBON	220 5% 1/4W
RESISTOR							
R001	1-216-033-00	RES, CHIP	220 5% 1/10W	R075	1-216-073-00	RES, CHIP	10K 5% 1/10W
R002	1-216-073-00	RES, CHIP	10K 5% 1/10W	R076	1-216-121-91	RES, CHIP	1M 5% 1/10W
R003	1-216-033-00	RES, CHIP	220 5% 1/10W	R077	1-216-097-91	RES, CHIP	100K 5% 1/10W
R004	1-216-073-00	RES, CHIP	10K 5% 1/10W	R080		VARIANT (SEE VARIANT PARTS LIST)	
R005	1-216-295-91	SHORT		R082		VARIANT (SEE VARIANT PARTS LIST)	
R006	1-216-295-91	SHORT		R083		VARIANT (SEE VARIANT PARTS LIST)	
R007	1-216-025-91	RES, CHIP	100 5% 1/10W	R084		VARIANT (SEE VARIANT PARTS LIST)	
R008	1-216-033-00	RES, CHIP	220 5% 1/10W	R085	1-216-049-91	RES, CHIP	1K 5% 1/10W
R010	1-216-033-00	RES, CHIP	220 5% 1/10W	R086	1-216-045-00	RES, CHIP	680 5% 1/10W
R011	1-216-033-00	RES, CHIP	220 5% 1/10W				



COMMON PARTS LISTING

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R087	1-216-045-00	RES, CHIP	680 5% 1/10W	R253	1-215-899-11	METAL	15K 5% 2W
R088	1-216-045-00	RES, CHIP	680 5% 1/10W	R254	1-216-033-00	RES, CHIP	220 5% 1/10W
R090		VARIANT (SEE VARIANT PARTS LIST)		R255		VARIANT (SEE VARIANT PARTS LIST)	
R091	1-216-073-00	RES, CHIP	10K 5% 1/10W	R256	1-216-033-00	RES, CHIP	220 5% 1/10W
R092	1-216-073-00	RES, CHIP	10K 5% 1/10W	R257	1-216-073-00	RES, CHIP	10K 5% 1/10W
R095	1-216-073-00	RES, CHIP	10K 5% 1/10W	R258	1-216-065-91	RES, CHIP	4.7K 5% 1/10W
R096	1-216-057-00	RES, CHIP	2.2K 5% 1/10W	R259	1-216-065-91	RES, CHIP	4.7K 5% 1/10W
R097	1-216-049-91	RES, CHIP	1K 5% 1/10W	R260	1-216-025-91	RES, CHIP	100 5% 1/10W
R101	1-216-073-00	RES, CHIP	10K 5% 1/10W	R261	1-216-065-91	RES, CHIP	4.7K 5% 1/10W
R120	1-216-057-00	RES, CHIP	2.2K 5% 1/10W	R262	1-216-065-91	RES, CHIP	4.7K 5% 1/10W
R121	1-216-073-00	RES, CHIP	10K 5% 1/10W	R263	1-216-033-00	RES, CHIP	220 5% 1/10W
R150	1-216-025-91	RES, CHIP	100 5% 1/10W	R264	1-216-033-00	RES, CHIP	220 5% 1/10W
R151	1-216-025-91	RES, CHIP	100 5% 1/10W	R265	1-216-065-91	RES, CHIP	4.7K 5% 1/10W
R170	1-216-025-91	RES, CHIP	100 5% 1/10W	R266	1-216-065-91	RES, CHIP	4.7K 5% 1/10W
R171	1-216-049-91	RES, CHIP	1K 5% 1/10W	R267	1-216-022-00	RES, CHIP	75 5% 1/10W
R172	1-216-295-91	SHORT		R269	1-216-049-91	RES, CHIP	1K 5% 1/10W
R173	1-216-295-91	SHORT		R270	1-216-022-00	RES, CHIP	75 5% 1/10W
R200	1-216-022-00	RES, CHIP	75 5% 1/10W	R271	1-216-113-00	RES, CHIP	470K 5% 1/10W
R201	1-216-113-00	RES, CHIP	470K 5% 1/10W	R272	1-216-113-00	RES, CHIP	470K 5% 1/10W
R202	1-216-113-00	RES, CHIP	470K 5% 1/10W	R273	1-216-065-91	RES, CHIP	4.7K 5% 1/10W
R203	1-216-025-91	RES, CHIP	100 5% 1/10W	R274	1-216-065-91	RES, CHIP	4.7K 5% 1/10W
R204	1-216-043-91	RES, CHIP	560 5% 1/10W	R275	1-216-295-91	SHORT	
R205	1-216-043-91	RES, CHIP	560 5% 1/10W	R276	1-216-295-91	SHORT	
R207	1-216-025-91	RES, CHIP	100 5% 1/10W	R277	1-216-295-91	SHORT	
R211		VARIANT (SEE VARIANT PARTS LIST)		R278		VARIANT (SEE VARIANT PARTS LIST)	
R212		VARIANT (SEE VARIANT PARTS LIST)		R279	1-216-065-91	RES, CHIP	4.7K 5% 1/10W
R213	1-216-057-00	RES, CHIP	2.2K 5% 1/10W	R280		VARIANT (SEE VARIANT PARTS LIST)	
R214	1-216-113-00	RES, CHIP	470K 5% 1/10W	R281		VARIANT (SEE VARIANT PARTS LIST)	
R215	1-216-033-00	RES, CHIP	220 5% 1/10W	R282		VARIANT (SEE VARIANT PARTS LIST)	
R216	1-216-113-00	RES, CHIP	470K 5% 1/10W	R283		VARIANT (SEE VARIANT PARTS LIST)	
R217	1-216-033-00	RES, CHIP	220 5% 1/10W	R284		VARIANT (SEE VARIANT PARTS LIST)	
R218	1-216-067-00	RES, CHIP	5.6K 5% 1/10W	R285		VARIANT (SEE VARIANT PARTS LIST)	
R219	1-216-073-00	RES, CHIP	10K 5% 1/10W	R286		VARIANT (SEE VARIANT PARTS LIST)	
R220	1-216-073-00	RES, CHIP	10K 5% 1/10W	R287		VARIANT (SEE VARIANT PARTS LIST)	
R221	1-216-073-00	RES, CHIP	10K 5% 1/10W	R288		VARIANT (SEE VARIANT PARTS LIST)	
R222	1-216-067-00	RES, CHIP	5.6K 5% 1/10W	R289		VARIANT (SEE VARIANT PARTS LIST)	
R223	1-216-073-00	RES, CHIP	10K 5% 1/10W	R290		VARIANT (SEE VARIANT PARTS LIST)	
R224	1-216-073-00	RES, CHIP	10K 5% 1/10W	R291		VARIANT (SEE VARIANT PARTS LIST)	
R225	1-216-073-00	RES, CHIP	10K 5% 1/10W	R292		VARIANT (SEE VARIANT PARTS LIST)	
R226	1-216-065-91	RES, CHIP	4.7K 5% 1/10W	R293		VARIANT (SEE VARIANT PARTS LIST)	
R227	1-216-097-91	RES, CHIP	100K 5% 1/10W	R294		VARIANT (SEE VARIANT PARTS LIST)	
R228	1-216-065-91	RES, CHIP	4.7K 5% 1/10W	R295		VARIANT (SEE VARIANT PARTS LIST)	
R229	1-216-097-91	RES, CHIP	100K 5% 1/10W	R296	1-249-437-11	CARBON	47K 5% 1/4W
R231		VARIANT (SEE VARIANT PARTS LIST)		R297	1-216-043-91	RES, CHIP	560 5% 1/10W
R232		VARIANT (SEE VARIANT PARTS LIST)		R298	1-216-041-00	RES, CHIP	470 5% 1/10W
R233		VARIANT (SEE VARIANT PARTS LIST)		R299	1-216-065-91	RES, CHIP	4.7K 5% 1/10W
R236		VARIANT (SEE VARIANT PARTS LIST)		R301	1-216-295-91	SHORT	
R241	1-216-065-91	RES, CHIP	4.7K 5% 1/10W	R304	1-216-073-00	RES, CHIP	10K 5% 1/10W
R242	1-216-083-00	RES, CHIP	27K 5% 1/10W	R305	1-216-033-00	RES, CHIP	220 5% 1/10W
R243	1-216-689-11	RES, CHIP	39K 5% 1/10W	R306	1-208-806-11	RES, CHIP	10K 0.50% 1/10W
R244	1-216-049-91	RES, CHIP	1K 5% 1/10W	R307	1-216-071-00	RES, CHIP	8.2K 5% 1/10W
R245	1-216-049-91	RES, CHIP	1K 5% 1/10W	R308	1-216-025-91	RES, CHIP	100 5% 1/10W
R248	1-216-049-91	RES, CHIP	1K 5% 1/10W	R310	1-216-049-91	RES, CHIP	1K 5% 1/10W
R250	1-216-033-00	RES, CHIP	220 5% 1/10W	R312	1-216-033-00	RES, CHIP	220 5% 1/10W
R252	1-216-033-00	RES, CHIP	220 5% 1/10W	R313	1-216-033-00	RES, CHIP	220 5% 1/10W

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COMMON PARTS LISTING

A

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R314	1-216-033-00	RES, CHIP	220 5% 1/10W	R373	1-216-025-91	RES, CHIP	100 5% 1/10W
R315	1-216-033-00	RES, CHIP	220 5% 1/10W	R374	1-216-025-91	RES, CHIP	100 5% 1/10W
R316	1-247-807-31	CARBON	100 5% 1/4W	R375	1-216-053-00	RES, CHIP	1.5K 5% 1/10W
R317	1-216-025-91	RES, CHIP	100 5% 1/10W	R376	1-216-049-91	RES, CHIP	1K 5% 1/10W
R318	1-216-025-91	RES, CHIP	100 5% 1/10W	R377	1-216-049-91	RES, CHIP	1K 5% 1/10W
R319	1-216-073-00	RES, CHIP	10K 5% 1/10W	R378	1-216-033-00	RES, CHIP	220 5% 1/10W
R320	1-216-025-91	RES, CHIP	100 5% 1/10W	R379	1-216-049-91	RES, CHIP	1K 5% 1/10W
R321	1-216-025-91	RES, CHIP	100 5% 1/10W	R380	1-208-790-11	RES, CHIP	2.2K 0.50% 1/10W
R322	1-216-025-91	RES, CHIP	100 5% 1/10W	R381	1-216-053-00	RES, CHIP	1.5K 5% 1/10W
R323	1-216-037-00	RES, CHIP	330 5% 1/10W	R383	1-216-017-91	RES, CHIP	47 5% 1/10W
R324	1-216-065-91	RES, CHIP	4.7K 5% 1/10W	R384	1-216-097-91	RES, CHIP	100K 5% 1/10W
R325	1-216-022-00	RES, CHIP	75 5% 1/10W	R385	1-216-073-00	RES, CHIP	10K 5% 1/10W
R326	1-216-033-00	RES, CHIP	220 5% 1/10W	R386	1-216-061-00	RES, CHIP	3.3K 5% 1/10W
R328	1-216-025-91	RES, CHIP	100 5% 1/10W	R387	1-216-067-00	RES, CHIP	5.6K 5% 1/10W
R329	1-216-025-91	RES, CHIP	100 5% 1/10W	R390			VARIANT (SEE VARIANT PARTS LIST)
R330	1-216-025-91	RES, CHIP	100 5% 1/10W	R391			VARIANT (SEE VARIANT PARTS LIST)
R331	1-216-025-91	RES, CHIP	100 5% 1/10W	R392			VARIANT (SEE VARIANT PARTS LIST)
R333	1-216-049-91	RES, CHIP	1K 5% 1/10W	R394			VARIANT (SEE VARIANT PARTS LIST)
R334	1-216-025-91	RES, CHIP	100 5% 1/10W	R395			VARIANT (SEE VARIANT PARTS LIST)
R335	1-216-057-00	RES, CHIP	2.2K 5% 1/10W	R399	1-216-295-91	SHORT	
R336	1-216-057-00	RES, CHIP	2.2K 5% 1/10W	R400			VARIANT (SEE VARIANT PARTS LIST)
R337	1-216-057-00	RES, CHIP	2.2K 5% 1/10W	R402	1-216-121-91	RES, CHIP	1M 5% 1/10W
R339	1-216-295-91	SHORT		R403	1-216-033-00	RES, CHIP	220 5% 1/10W
R340	1-249-417-11	CARBON	1K 5% 1/4W	R404	1-216-033-00	RES, CHIP	220 5% 1/10W
R341	1-216-073-00	RES, CHIP	10K 5% 1/10W	R407			VARIANT (SEE VARIANT PARTS LIST)
R342	1-216-069-00	RES, CHIP	6.8K 5% 1/10W	R432			VARIANT (SEE VARIANT PARTS LIST)
R343	1-216-129-00	RES, CHIP	2.2M 5% 1/10W	R450			VARIANT (SEE VARIANT PARTS LIST)
R344	1-216-295-91	SHORT		R451			VARIANT (SEE VARIANT PARTS LIST)
R345	1-216-129-00	RES, CHIP	2.2M 5% 1/10W	R502 \triangle	1-215-892-11	METAL	1K 5% 2W
R346	1-216-129-00	RES, CHIP	2.2M 5% 1/10W	R503 \triangle	1-249-426-11	CARBON	5.6K 5% 1/4W
R347	1-216-049-91	RES, CHIP	1K 5% 1/10W	R504 \triangle	1-216-349-00	METAL	1 5% 1W
R348	1-216-043-91	RES, CHIP	560 5% 1/10W	R505	1-249-401-11	CARBON	47 5% 1/4W
R349	1-216-069-00	RES, CHIP	6.8K 5% 1/10W	R506	1-215-860-11	METAL	33 5% 1W
R350	1-208-766-11	RES, CHIP	220 0.50% 1/10W	R507 \triangle	1-260-097-11	CARBON	680 5% 1/2W
R351	1-208-766-11	RES, CHIP	220 0.50% 1/10W	R508 \triangle	1-216-449-11	METAL	56 5% 2W
R352	1-208-794-11	RES, CHIP	3.3K 0.50% 1/10W	R509 \triangle	1-216-481-11	METAL	1.2K 5% 3W
R353	1-216-295-91	SHORT		R510 \triangle	1-216-449-11	METAL	56 5% 2W
R354	1-208-794-11	RES, CHIP	3.3K 0.50% 1/10W	R511	1-247-843-11	CARBON	3.3K 5% 1/4W
R355	1-216-295-91	SHORT		R520 \triangle	1-215-861-00	METAL	47 5% 1W
R356	1-216-059-00	RES, CHIP	2.7K 5% 1/10W	R521	1-249-411-11	CARBON	330 5% 1/4W
R357	1-216-091-00	RES, CHIP	56K 5% 1/10W	R522	1-249-415-11	CARBON	680 5% 1/4W
R358	1-216-043-91	RES, CHIP	560 5% 1/10W	R523	1-216-073-00	RES, CHIP	10K 5% 1/10W
R359	1-216-057-00	RES, CHIP	2.2K 5% 1/10W	R524	1-249-429-11	CARBON	10K 5% 1/4W
R360	1-216-049-91	RES, CHIP	1K 5% 1/10W	R525	1-249-427-11	CARBON	6.8K 5% 1/4W
R361	1-216-049-91	RES, CHIP	1K 5% 1/10W	R526	1-216-081-00	RES, CHIP	22K 5% 1/10W
R362	1-216-043-91	RES, CHIP	560 5% 1/10W	R527	1-216-079-00	RES, CHIP	18K 5% 1/10W
R363	1-216-037-00	RES, CHIP	330 5% 1/10W	R528	1-216-057-00	RES, CHIP	2.2K 5% 1/10W
R364	1-216-025-91	RES, CHIP	100 5% 1/10W	R529	1-216-101-00	RES, CHIP	150K 5% 1/10W
R365	1-216-025-91	RES, CHIP	100 5% 1/10W	R530	1-216-089-91	RES, CHIP	47K 5% 1/10W
R366	1-216-053-00	RES, CHIP	1.5K 5% 1/10W	R532	1-215-437-00	METAL	4.7K 1% 1/4W
R367	1-216-057-00	RES, CHIP	2.2K 5% 1/10W	R533	1-215-461-00	METAL	47K 1% 1/4W
R368	1-216-033-00	RES, CHIP	220 5% 1/10W	R534	1-215-451-00	METAL	18K 1% 1/4W
R369	1-216-041-00	RES, CHIP	470 5% 1/10W	R535	1-249-441-11	CARBON	100K 5% 1/4W
R370	1-216-033-00	RES, CHIP	220 5% 1/10W	R541	1-249-430-11	CARBON	12K 5% 1/4W
R372	1-216-035-00	RES, CHIP	270 5% 1/10W	R541			



COMMON PARTS LISTING

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

The components identified by \blacksquare in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R542	1-249-429-11	CARBON	10K 5% 1/4W	R642	1-249-437-11	CARBON	47K 5% 1/4W
R543	1-249-429-11	CARBON	10K 5% 1/4W	R643	1-215-857-11	METAL	10 5% 1W
R544 \triangle	1-216-351-00	METAL	1.5 5% 1W	R645	1-249-429-11	CARBON	10K 5% 1/4W
R546 \triangle	1-215-890-11	METAL	470 5% 2W	R646	1-216-485-11	METAL	5.6K 5% 3W
R547 \triangle	1-249-385-11	CARBON	2.2 5% 1/4W	R647	1-249-421-11	CARBON	2.2K 5% 1/4W
R548	1-249-430-11	CARBON	12K 5% 1/4W	R649	1-249-417-11	CARBON	1K 5% 1/4W
R549	1-249-429-11	CARBON	10K 5% 1/4W	R650	1-249-415-11	CARBON	680 5% 1/4W
R550	1-216-061-00	RES, CHIP	3.3K 5% 1/10W	R651	1-249-419-11	CARBON	1.5K 5% 1/4W
R551	1-249-413-11	CARBON	470 5% 1/4W	R652	1-247-843-11	CARBON	3.3K 5% 1/4W
R552	1-247-887-00	CARBON	220K 5% 1/4W	R653 \triangle	1-215-898-11	METAL	10K 5% 2W
R553 \triangle	1-260-312-11	CARBON	47 5% 1/2W	R654	1-249-419-11	CARBON	1.5K 5% 1/4W
R554	1-216-101-00	RES, CHIP	150K 5% 1/10W	R656		VARIANT (SEE VARIANT PARTS LIST)	
R555	1-216-093-91	RES, CHIP	68K 5% 1/10W	R657	1-249-417-11	CARBON	1K 5% 1/4W
R556	1-216-081-00	RES, CHIP	22K 5% 1/10W	R658	1-249-421-11	CARBON	2.2K 5% 1/4W
R557	1-249-431-11	CARBON	15K 5% 1/4W	R659	1-216-362-11	METAL	0.27 5% 2W
R558	1-216-065-91	RES, CHIP	4.7K 5% 1/10W	R660	1-249-429-11	CARBON	10K 5% 1/4W
R559	1-216-121-91	RES, CHIP	1M 5% 1/10W	R662	1-1249-417-11	CARBON	1K 5% 1/4W
R561 \triangle	1-249-377-11	CARBON	0.47 5% 1/4W	R664	1-249-417-11	CARBON	1K 5% 1/4W
R562 \triangle	1-260-288-11	CARBON	0.47 5% 1/2W	R665	1-249-429-11	CARBON	10K 5% 1/4W
R571 \triangle	1-216-365-00	METAL	0.47 5% 2W	R672	1-216-485-11	METAL	5.6K 5% 3W
R572 \triangle	1-249-429-11	CARBON	10K 5% 1/4W	R673	1-249-421-11	CARBON	2.2K 5% 1/4W
R573 \triangle	1-247-895-91	CARBON	470K 5% 1/4W	R674	1-247-863-91	CARBON	22K 5% 1/4W
R574 \triangle	1-249-416-11	CARBON	820 5% 1/4W	R675 \triangle	1-216-387-11	METAL	0.68 5% 3W
R575 \triangle	1-247-895-91	CARBON	470K 5% 1/4W	R676	1-216-485-11	METAL	5.6K 5% 3W
R576 \triangle	1-249-441-11	CARBON	100K 5% 1/4W				
R578 \triangle	1-215-902-11	METAL	47K 5% 1W				
R579	1-208-777-11	RES, CHIP	620 0.50% 1/10W				
R580	1-215-469-00	METAL	100K 1% 1/4W				
R581	1-216-065-91	RES, CHIP	4.7K 5% 1/10W				
R582 \triangle	1-208-806-11	RES, CHIP	10K 0.50% 1/10W				
R583 \triangle	1-208-830-11	RES, CHIP	100K 0.50% 1/10W				
\blacksquare R584 \triangle	1-208-822-11	RES, CHIP	47K 0.50% 1/10W				
R585	1-216-073-00	RES, CHIP	10K 5% 1/10W				
R586 \triangle	1-216-073-00	RES, CHIP	10K 5% 1/10W				
R587	1-216-073-00	RES, CHIP	10K 5% 1/10W				
R591 \triangle	1-215-882-00	METAL	22 5% 2W				
R607	1-215-859-00	METAL	22 5% 1W				
R625	1-249-440-11	CARBON	82K 5% 1/4W				
R626	1-249-417-11	CARBON	1K 5% 1/4W				
R627	1-240-251-11	CMT,MELF	6.8 5% 10W				
R628	1-249-441-11	CARBON	100K 5% 1/4W				
R629	1-260-324-11	CARBON	470 5% 1/2W				
R630	1-249-429-11	CARBON	10K 5% 1/4W				
R631	1-249-437-11	CARBON	47K 5% 1/4W				
R632 \triangle	1-202-933-61	FUSIBLE	0.1 10% 1/2W				
R633		VARIANT (SEE VARIANT PARTS LIST)					
R634	1-249-437-11	CARBON	47K 5% 1/4W				
R636	1-249-421-11	CARBON	2.2K 5% 1/4W				
R637		VARIANT (SEE VARIANT PARTS LIST)					
R638		VARIANT (SEE VARIANT PARTS LIST)					
R639	1-216-361-21	METAL	0.22 5% 2W				
R640	1-249-415-11	CARBON	680 5% 1/4W				
R641 \triangle	1-216-387-11	METAL	0.68 5% 3W				

COMMON PARTS LISTING

A

<u>REF.NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REMARK</u>	<u>REF.NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REMARK</u>
<u>THERMISTOR</u>							
THP601		VARIANT (SEE VARIANT PARTS LIST)					
THP602		VARIANT (SEE VARIANT PARTS LIST)					
<u>TUNER</u>							
TU101	8-598-431-00	TUNER, FSS BTF-WA411					
<u>CRYSTAL</u>							
X001	1-767-487-11	VIBRATOR, CRYSTAL					
X301	1-567-505-11	OSCILLATOR CRYSTAL					

A**BOARD VARIANT PARTS LIST**

The parts on this page belong to the following model(s) only:

KV-27S42

The components identified by shading and mark **△** are critical for safety. Replace only with part number specified.

Les composants identifiés par un trame et une marque **△** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF.NO.	PART NO.	DESCRIPTION	REMARK
A BOARD VARIANT LIST: KV-27S42			

CAPACITOR

C216	1-126-959-11	ELECT	0.47μF	50V	20%
C217	1-126-959-11	ELECT	0.47μF	50V	20%
C380	1-163-021-91	CERAMIC	0.01μF	50V	10%
C381	1-163-021-91	CERAMIC	0.01μF	50V	10%
C382	1-163-021-91	CERAMIC	0.01μF	50V	10%
C418	1-126-964-11	ELECT	10μF	50V	20%
C613△	1-128-717-11	ELECT	680μF	250V	20%
C615	1-113-920-11	CERAMIC	0.0022μF	250V	20%

CONNECTOR

CN301	1-564-508-11	PLUG, CONNECTOR	5P
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DIODE

D002	8-719-070-80	DIODE LNK0120022G
D208	8-719-110-17	DIODE RD10ESB2
D403	8-719-991-33	DIODE 1SS133T-77

IC

IC004	8-742-014-11	HYB IC SBX1981-51
IC203	8-759-366-77	IC MM1311AD
IC401	8-759-490-17	IC TDA7057AQ/N2
IC601△	8-749-015-61	IC STR-F6626

IC LINK

PS201△	1-532-984-11	LINK, IC	2A/90V
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RESISTOR

R020	1-216-069-00	RES,CHIP	6.8K	1/10W	5%
R021	1-249-415-11	CARBON	680	1/4W	5%
R022	1-249-416-11	CARBON	820	1/4W	5%
R023	1-216-057-00	RES,CHIP	2.2K	1/10W	5%
R065	1-216-295-91	SHORT			
R090	1-249-429-11	CARBON	10K	1/4W	5%
R211	1-247-807-31	CARBON	100	1/4W	5%
R212	1-216-065-91	RES,CHIP	4.7K	1/10W	5%
R231	1-249-421-11	CARBON	2.2K	1/4W	5%
R232	1-249-429-11	CARBON	10K	1/4W	5%
R233	1-249-429-11	CARBON	10K	1/4W	5%
R236	1-249-421-11	CARBON	2.2K	1/4W	5%
R400	1-216-081-00	RES,CHIP	22K	1/10W	5%
R407	1-216-295-91	SHORT			
R432	1-249-428-11	CARBON	8.2K	1/4W	5%

SWITCH

S001	1-692-431-21	SWITCH, TACTILE
S002	1-692-431-21	SWITCH, TACTILE
S003	1-692-431-21	SWITCH, TACTILE
S004	1-692-431-21	SWITCH, TACTILE
S005	1-692-431-21	SWITCH, TACTILE
S006	1-692-431-21	SWITCH, TACTILE
S007	1-692-431-21	SWITCH, TACTILE

TRANSFORMER

T603△	1-433-806-11	TRANSFORMER, REGULATOR
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THERMISTOR

THP602△	1-809-539-11	THERMISTOR, POSITIVE
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The components identified by shading and mark  are critical for safety. Replace only with part number specified.

Les composants identifiés par un trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

A

BOARD VARIANT PARTS LIST

The parts on this page belong to the following model(s) only:

KV-29SL42/29SL42C/29XL42M

REF.NO.	PART NO.	DESCRIPTION	REMARK								
A BOARD VARIANT LIST: KV-29SL42/29SL42C/29XL42M											
CAPACITOR											
C216	1-126-959-11	ELECT	0.47µF	20%	50V						
C217	1-126-959-11	ELECT	0.47µF	20%	50V						
C380	1-163-021-91	CERAMIC	0.01µF	10%	50V						
C381	1-163-021-91	CERAMIC	0.01µF	10%	50V						
C382	1-163-021-91	CERAMIC	0.01µF	10%	50V						
C418	1-126-964-11	ELECT	10µF	20%	50V						
C613 	1-128-718-11	ELECT	560µF	20%	400V						
C615	1-113-924-11	CERAMIC	0.0047µF	20%	250V						
C616	1-130-202-00	FILM	0.022µF	10%	400V						
C617	1-107-824-11	CERAMIC	220pF	5%	1KV						
C699	1-113-924-11	CERAMIC	0.0047µF	20%	250V						
CONNECTOR											
CN301	1-564-508-11	PLUG, CONNECTOR		5P							
DIODE											
D002	8-719-070-80	DIODE LNK0120022G									
D208	8-719-110-17	DIODE RD10ESB2									
D403	8-719-991-33	DIODE 1SS133T-77									
D609	8-719-311-31	DIODE RU-1P									
IC											
IC004	8-742-014-11	HYB IC SBX1981-51									
IC203	8-759-366-77	IC MM1311AD									
IC401	8-759-490-17	IC TDA7057AQ/N2									
IC601 	8-749-014-48	IC STR-F6656									
IC LINK											
PS201 	1-532-984-11	LINK, IC	2A/90V								
RESISTOR											
R020	1-216-069-00	RES,CHIP	6.8K	5%	1/10W						
R021	1-249-415-11	CARBON	680	5%	1/4W						
R022	1-249-416-11	CARBON	820	5%	1/4W						
R023	1-216-057-00	RES,CHIP	2.2K	5%	1/10W						
R065	1-216-295-91	SHORT									
R090	1-249-429-11	CARBON	10K	5%	1/4W						
R211	1-247-807-31	CARBON	100	5%	1/4W						
R212	1-216-065-91	RES,CHIP	4.7K	5%	1/10W						
R231	1-249-421-11	CARBON	2.2K	5%	1/4W						
R232	1-249-429-11	CARBON	10K	5%	1/4W						



BOARD VARIANT PARTS LIST

The parts on this page belong to the following model(s) only:

KV-27S46

The components identified by shading and mark are critical for safety. Replace only with part number specified.

Les composants identifiés par un trame et une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK				
A BOARD VARIANT LIST: KV-27S46											
CAPACITOR											
C216	1-126-959-11	ELECT	0.47µF	20%	50V	R233	1-249-429-11	CARBON	10K	5%	1/4W
C217	1-126-959-11	ELECT	0.47µF	20%	50V	R236	1-249-421-11	CARBON	2.2K	5%	1/4W
C370	1-163-021-91	CERAMIC	0.01µF	10%	50V	R283	1-216-295-91	SHORT			
C371	1-163-021-91	CERAMIC	0.01µF	10%	50V	R400	1-216-081-00	RES,CHIP	22K	5%	1/10W
C372	1-163-021-91	CERAMIC	0.01µF	10%	50V	R432	1-249-428-11	CARBON	8.2K	5%	1/4W
C418	1-126-964-11	ELECT	10µF	20%	50V	R633	1-215-483-00	METAL	390K	1%	1/4W
C613	1-128-717-11	ELECT	680µF	20%	250V	R656	1-249-399-11	CARBON	33	5%	1/4W
C615	1-113-920-11	CERAMIC	0.0022µF	20%	250V						
CONNECTOR											
CN301	1-564-508-11	PLUG, CONNECTOR		5P							
CN302	1-691-616-11	CONNECTOR, BOARD TO BOARD									
DIODE											
D002	8-719-070-80	DIODE LNK0120022G									
D208	8-719-110-17	DIODE RD10ESB2									
D403	8-719-991-33	DIODE 1SS133T-77									
IC											
IC004	8-742-014-11	HYB IC SBX1981-51									
IC203	8-759-534-81	IC MM1313AD/									
IC401	8-759-490-17	IC TDA7057AQ/N2									
IC601	8-749-015-61	IC STR-F6626									
JACK											
J202	1-774-749-11	JACK BLOCK, PIN									
IC LINK											
PS201	1-532-984-11	LINK, IC		2A/90V							
RESISTOR											
R020	1-216-069-00	RES,CHIP	6.8K	5%	1/10W						
R021	1-249-415-11	CARBON	680	5%	1/4W						
R022	1-249-416-11	CARBON	820	5%	1/4W						
R023	1-216-057-00	RES,CHIP	2.2K	5%	1/10W						
R065	1-216-295-91	SHORT									
R090	1-249-429-11	CARBON	10K	5%	1/4W						
R211	1-247-807-31	CARBON	100	5%	1/4W						
R212	1-216-065-91	RES,CHIP	4.7K	5%	1/10W						
R231	1-249-421-11	CARBON	2.2K	5%	1/4W						
R232	1-249-429-11	CARBON	10K	5%	1/4W						

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

Les composants identifiés par un trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The parts on this page belong to the following model(s) only:

KV-29SL46

REF.NO.	PART NO.	DESCRIPTION	REMARK			REF.NO.	PART NO.	DESCRIPTION	REMARK									
A BOARD VARIANT LIST: KV-29SL46																		
CAPACITOR																		
C216	1-126-959-11	ELECT	0.47µF	20%	50V	R090	1-249-429-11	CARBON	10K	5%	1/4W							
C217	1-126-959-11	ELECT	0.47µF	20%	50V	R211	1-247-807-31	CARBON	100	5%	1/4W							
C370	1-163-021-91	CERAMIC	0.01µF	10%	50V	R212	1-216-065-91	RES,CHIP	4.7K	5%	1/10W							
C371	1-163-021-91	CERAMIC	0.01µF	10%	50V	R231	1-249-421-11	CARBON	2.2K	5%	1/4W							
C372	1-163-021-91	CERAMIC	0.01µF	10%	50V	R232	1-249-429-11	CARBON	10K	5%	1/4W							
C418	1-126-964-11	ELECT	10µF	20%	50V	R233	1-249-429-11	CARBON	10K	5%	1/4W							
C613 	1-128-718-11	ELECT	560µF	20%	400V	R236	1-249-421-11	CARBON	2.2K	5%	1/4W							
C615	1-113-924-11	CERAMIC	0.0047µF	20%	250V	R283	1-216-295-91	SHORT										
C616	1-130-202-00	FILM	0.022µF	10%	400V	R400	1-216-081-00	RES,CHIP	22K	5%	1/10W							
C617	1-107-824-11	CERAMIC	220pF	5%	1KV	R432	1-249-428-11	CARBON	8.2K	5%	1/4W							
C699	1-113-924-11	CERAMIC	0.0047µF	20%	250V	R633	1-215-479-00	METAL	270K	1%	1/4W							
CONNECTOR																		
CN301	1-564-508-11	PLUG, CONNECTOR		5P		S003	1-692-431-21	SWITCH, TACTILE										
DIODE																		
D002	8-719-070-80	DIODE LNK0120022G				S004	1-692-431-21	SWITCH, TACTILE										
D208	8-719-110-17	DIODE RD10ESB2				S005	1-692-431-21	SWITCH, TACTILE										
D403	8-719-991-33	DIODE 1SS133T-77				S006	1-692-431-21	SWITCH, TACTILE										
D609	8-719-311-31	DIODE RU-1P				S007	1-692-431-21	SWITCH, TACTILE										
IC																		
IC004	8-742-014-11	HYB IC SBX1981-51				TRANSFORMER												
IC203	8-759-534-81	IC MM1313AD/				T603  1-433-807-11 TRANSFORMER, REGULATOR												
IC401	8-759-490-17	IC TDA7057AQ/N2																
IC601 	8-749-014-48	IC STR-F6656				THERMISTOR												
JACK																		
J202	1-774-749-11	JACK BLOCK, PIN				THP601  1-803-540-11 THERMISTOR												
IC LINK																		
PS201 	1-532-984-11	LINK, IC	2A/90V															
RESISTOR																		
R020	1-216-069-00	RES,CHIP	6.8K	5%	1/10W	R021	1-249-415-11	CARBON	680	5%	1/4W							
R022	1-249-416-11	CARBON	820	5%	1/4W	R023	1-216-057-00	RES,CHIP	2.2K	5%	1/10W							
R065	1-216-295-91	SHORT				R066	1-216-295-91	SHORT										



BOARD VARIANT PARTS LIST

The parts on this page belong to the following model(s) only:

KV-27S66

The components identified by shading and mark are critical for safety. Replace only with part number specified.

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REF.NO.	PART NO.	DESCRIPTION	REMARK		REF.NO.	PART NO.	DESCRIPTION	REMARK					
A BOARD VARIANT LIST: KV-27S66													
CAPACITOR													
C216	1-126-959-11	ELECT	0.47µF	20%	50V	R090	1-249-429-11	CARBON	10K	5%	1/4W		
C217	1-126-959-11	ELECT	0.47µF	20%	50V	R211	1-247-807-31	CARBON	100	5%	1/4W		
C250	1-126-960-11	ELECT	1µF	20%	50V	R212	1-216-065-91	RES,CHIP	4.7K	5%	1/10W		
C251	1-126-960-11	ELECT	1µF	20%	50V	R231	1-249-421-11	CARBON	2.2K	5%	1/4W		
C252	1-126-959-11	ELECT	0.47µF	20%	50V	R232	1-249-429-11	CARBON	10K	5%	1/4W		
C370	1-163-021-91	CERAMIC	0.01µF	10%	50V	R233	1-249-429-11	CARBON	10K	5%	1/4W		
C371	1-163-021-91	CERAMIC	0.01µF	10%	50V	R236	1-249-421-11	CARBON	2.2K	5%	1/4W		
C372	1-163-021-91	CERAMIC	0.01µF	10%	50V	R278	1-216-295-91	SHORT					
C418	1-126-964-11	ELECT	10µF	20%	50V	R283	1-216-295-91	SHORT					
C613	1-128-717-11	ELECT	680µF	20%	250V	R400	1-216-081-00	RES,CHIP	22K	5%	1/10W		
C615	1-113-920-11	CERAMIC	0.0022µF	20%	250V	R432	1-249-428-11	CARBON	8.2K	5%	1/4W		
C627	1-164-004-11	CERAMIC	10%µF	10%	25V	R633	1-215-483-00	METAL	390K	1%	1/4W		
CONNECTOR													
CN150	1-691-616-21	CONNECTOR, BOARD TO BOARD 15P				S001	1-692-431-21	SWITCH, TACTILE					
CN301	1-564-508-11	PLUG, CONNECTOR			5P	S002	1-692-431-21	SWITCH, TACTILE					
CN302	1-691-616-11	CONNECTOR, BOARD TO BOARD				S003	1-692-431-21	SWITCH, TACTILE					
DIODE													
D002	8-719-070-80	DIODE LNK0120022G				S004	1-692-431-21	SWITCH, TACTILE					
D208	8-719-110-17	DIODE RD10ESB2				S005	1-692-431-21	SWITCH, TACTILE					
D403	8-719-991-33	DIODE 1SS133T-77				S006	1-692-431-21	SWITCH, TACTILE					
IC													
IC004	8-742-014-11	HYB IC SBX1981-51				TRANSFORMER							
IC203	8-759-534-81	IC MM1313AD/				T603 1-433-806-11 TRANSFORMER, REGULATOR							
IC401	8-759-490-17	IC TDA7057AQ/N2											
IC601	8-749-015-61	IC STR-F6626											
JACK													
J202	1-774-749-11	JACK BLOCK, PIN				THERMISTOR							
IC LINK													
PS201	1-532-984-11	LINK, IC			2A/90V	THP602 1-809-539-11 THERMISTOR, POSITIVE							
RESISTOR													
R020	1-216-069-00	RES,CHIP	6.8K	5%	1/10W	R021	1-249-415-11	CARBON	680	5%	1/4W		
R022	1-249-416-11	CARBON	820	5%	1/4W	R023	1-216-057-00	RES,CHIP	2.2K	5%	1/10W		
R065	1-216-295-91	SHORT				R065	1-216-295-91	SHORT					

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A

BOARD VARIANT PARTS LIST

The parts on this page belong to the following model(s) only:

KV-29AL42/29AL42C

REF.NO.	PART NO.	DESCRIPTION	REMARK		
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A BOARD VARIANT LIST: KV-29AL42/29AL42C

CAPACITOR

C380	1-163-021-91	CERAMIC	0.01μF	10%	50V
C381	1-163-021-91	CERAMIC	0.01μF	10%	50V
C382	1-163-021-91	CERAMIC	0.01μF	10%	50V
C613 	1-128-718-11	ELECT	560μF	20%	400V
C615	1-113-924-11	CERAMIC	0.0047μF	20%	250V
C616	1-130-202-00	FILM	0.022μF	10%	400V
C617	1-107-824-11	CERAMIC	220pF	5%	1KV
C699	1-113-924-11	CERAMIC	0.0047μF	20%	250V

CONNECTOR

CN251	1-564-510-11	PLUG, CONNECTOR	7P
CN253	1-564-510-11	PLUG, CONNECTOR	7P
CN301	1-564-511-11	PLUG, CONNECTOR	8P

DIODE

D208	8-719-982-96	DIODE MTZJ-T-77-2.2A
D609	8-719-311-31	DIODE RU-1P

IC

IC203	8-759-366-77	IC MM1311AD
IC601 	8-749-014-48	IC STR-F6656

TRANSISTOR

Q390	8-729-422-27	TRANSISTOR 2SD601A-Q
Q391	8-729-422-27	TRANSISTOR 2SD601A-Q

RESISTOR

R255	1-216-022-00	RES,CHIP	75	5%	1/10W
R390	1-249-417-11	CARBON	1K	5%	1/4W
R391 	1-216-073-00	RES,CHIP	10K	5%	1/10W
R392	1-216-049-91	RES,CHIP	1K	5%	1/10W
R394	1-216-033-00	RES,CHIP	220	5%	1/10W
R395	1-216-049-91	RES,CHIP	1K	5%	1/10W
R407	1-216-295-91	SHORT			
R450	1-216-295-91	SHORT			
R451	1-216-295-91	SHORT			
R633	1-215-479-00	METAL	270K	1%	1/4W
R637	1-215-929-11	METAL	100K	5%	3W
R638	1-215-479-00	METAL	270K	1%	1/4W
R656	1-249-402-11	CARBON	56	5%	1/4W



BOARD VARIANT PARTS LIST

The parts on this page belong to the following model(s) only:

KV-29AL66/29AL66C

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK				
A BOARD VARIANT LIST: KV-29AL66/29AL66C											
CAPACITOR											
C250	1-126-960-11	ELECT	1µF	20%	50V	Q283	8-729-422-27	TRANSISTOR 2SD601A-Q			
C251	1-126-960-11	ELECT	1µF	20%	50V	Q284	8-729-422-27	TRANSISTOR 2SD601A-Q			
C252	1-126-959-11	ELECT	0.47µF	20%	50V	Q285	8-729-422-27	TRANSISTOR 2SD601A-Q			
C280	1-126-935-11	ELECT	470µF	20%	16V	Q390	8-729-422-27	TRANSISTOR 2SD601A-Q			
C281	1-126-959-11	ELECT	0.47µF	20%	50V	Q391	8-729-422-27	TRANSISTOR 2SD601A-Q			
C282	1-126-959-11	ELECT	0.47µF	20%	50V	RESISTOR					
C370	1-163-021-91	CERAMIC	0.01µF	10%	50V	R080	1-247-863-91	CARBON	22K	5%	1/4W
C371	1-163-021-91	CERAMIC	0.01µF	10%	50V	R082	1-216-073-00	RES,CHIP	10K	5%	1/10W
C372	1-163-021-91	CERAMIC	0.01µF	10%	50V	R083	1-216-041-00	RES,CHIP	470	5%	1/10W
C613	1-128-718-11	ELECT	560µF	20%	400V	R084	1-249-429-11	CARBON	10K	5%	1/4W
C615	1-113-924-11	CERAMIC	0.0047µF	20%	250V	R255	1-216-022-00	RES,CHIP	75	5%	1/10W
C616	1-130-202-00	FILM	0.022µF	10%	400V	R278	1-216-295-91	SHORT			
C617	1-107-824-11	CERAMIC	220pF	5%	1KV	R280	1-247-807-31	CARBON	100	5%	1/4W
C627	1-164-004-11	CERAMIC	0.1µF	10%	25V	R281	1-247-807-31	CARBON	100	5%	1/4W
C699	1-113-924-11	CERAMIC	0.0047µF	20%	250V	R282	1-247-807-31	CARBON	100	5%	1/4W
CONNECTOR											
CN151	1-564-511-11	PLUG, CONNECTOR	8P		R283	1-216-295-91	SHORT				
CN152	1-564-509-11	PLUG, CONNECTOR	6P		R284	1-260-091-11	CARBON	220	5%	1/2W	
CN251	1-564-510-11	PLUG, CONNECTOR	7P		R285	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
CN253	1-564-510-11	PLUG, CONNECTOR	7P		R286	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
CN301	1-564-511-11	PLUG, CONNECTOR	8P		R287	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
CN302	1-691-616-11	CONNECTOR, BOARD TO BOARD			R288	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
DIODE											
D208	8-719-982-96	DIODE MTZJ-T-77-2.2A			R289	1-216-021-00	RES,CHIP	68	5%	1/10W	
D280	8-719-981-99	DIODE MTZJ-3.3			R290	1-216-113-00	RES,CHIP	470K	5%	1/10W	
D281	8-719-981-99	DIODE MTZJ-3.3			R291	1-216-113-00	RES,CHIP	470K	5%	1/10W	
D609	8-719-311-31	DIODE RU-1P			R292	1-216-113-00	RES,CHIP	470K	5%	1/10W	
IC											
IC203	8-759-534-81	IC MM1313AD/			R293	1-216-069-00	RES,CHIP	6.8K	5%	1/10W	
IC601	8-749-014-48	IC STR-F6656			R294	1-216-069-00	RES,CHIP	6.8K	5%	1/10W	
JACK											
J202	1-774-749-11	JACK BLOCK, PIN			R295	1-216-069-00	RES,CHIP	6.8K	5%	1/10W	
J204	1-774-749-11	JACK BLOCK, PIN			R390	1-249-417-11	CARBON	1K	5%	1/4W	
TRANSISTOR											
Q080	8-729-422-27	TRANSISTOR 2SD601A-Q			R391	1-216-073-00	RES,CHIP	10K	5%	1/10W	
Q280	8-729-216-22	TRANSISTOR 2SA1162-G			R392	1-216-049-91	RES,CHIP	1K	5%	1/10W	
Q281	8-729-216-22	TRANSISTOR 2SA1162-G			TRANSFORMER						
Q282	8-729-216-22	TRANSISTOR 2SA1162-G			T603	1-433-807-11	TRANSFORMER, REGULATOR				
THERMISTOR											
THP601 1-803-540-11 THERMISTOR											

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C C V

REF.NO.	PART NO.	DESCRIPTION	REMARK		REF.NO.	PART NO.	DESCRIPTION	REMARK			
C						CV					
* A-1331-920-A C BOARD, COMPLETE (KV-27S42/27S46/27S66/29SL42/29SL42C/29SL46/29XL42M only)				* A-1331-921-A CV BOARD, COMPLETE (KV-29AL42/29AL42C/29AL66/29AL66C only)							
4-382-854-11 SCREW (M3X10), P, SW (+)				4-382-854-11 SCREW (M3X10), P, SW (+)							
CAPACITOR											
C1751	1-107-652-11	ELECT	10 μ F	20%	250V	C944	1-102-129-00	CERAMIC	0.01 μ F	10%	50V
C1752	1-162-114-00	CERAMIC	0.0047 μ F		2KV	C945	1-102-110-00	CERAMIC	220pF	10%	50V
C1755	1-107-667-11	ELECT	2.2 μ F	20%	160V	C946	1-104-665-11	ELECT	100 μ F	20%	25V
CONNECTOR											
CN1751*	1-564-509-11	PLUG, CONNECTOR 6P				C949	1-161-830-00	CERAMIC	0.0047 μ F		500V
CN1752*	1-564-508-11	PLUG, CONNECTOR 5P				C950	1-126-941-11	ELECT	470 μ F	20%	25V
CN1754	1-695-915-11	TAB (CONTACT)				C951	1-107-645-11	ELECT	22 μ F	20%	160V
DIODE											
D1754	8-719-901-83	DIODE 1SS83				C952	1-104-999-11	MYLAR	0.1 μ F	10%	200V
D1755	8-719-901-83	DIODE 1SS83				C953	1-106-383-00	MYLAR	0.047 μ F	10%	200V
D1756	8-719-901-83	DIODE 1SS83				C954	1-130-471-00	FILM	0.001 μ F	5%	50V
D1758	8-719-302-43	DIODE EL1Z				C955	1-107-667-11	ELECT	2.2 μ F	20%	160V
IC											
IC1751	8-759-562-43	IC TDA6108JF/N1B				C956	1-130-471-00	FILM	0.001 μ F	5%	50V
JACK											
J1751 \triangle	1-251-688-11	SOCKET, CRT				C957	1-106-383-00	MYLAR	0.047 μ F	10%	200V
COIL											
L1751	1-408-613-31	INDUCTOR	68 μ H			C958	1-126-941-11	ELECT	470 μ F	20%	25V
RESISTOR											
R1756	1-260-099-11	CARBON	1K	5%	1/2W	C1701	1-107-652-11	ELECT	10 μ F	20%	250V
R1757	1-260-099-11	CARBON	1K	5%	1/2W	C1702	1-162-114-00	CERAMIC	0.0047 μ F		2KV
R1758	1-260-099-11	CARBON	1K	5%	1/2W	C1705	1-107-667-11	ELECT	2.2 μ F	20%	160V
R1759	1-260-087-11	CARBON	100	5%	1/2W	C1941	1-126-941-11	ELECT	470 μ F	20%	25V
R1760	1-260-123-11	CARBON	100K	5%	1/2W	C1948	1-102-121-00	CERAMIC	0.0022 μ F	10%	50V
DIODE											
D941	8-719-991-33	DIODE 1SS133T-77				CONNECTOR					
D946	8-719-110-88	DIODE RD39ESB2				CN942 *	1-564-507-11	PLUG, CONNECTOR 4P			
D947	8-719-110-88	DIODE RD39ESB2				CN1701*	1-564-509-11	PLUG, CONNECTOR 6P			
D1704	8-719-901-83	DIODE 1SS83				CN1702*	1-564-511-11	PLUG, CONNECTOR 8P			
D1705	8-719-901-83	DIODE 1SS83				CN1704	1-695-915-11	TAB (CONTACT)			
IC											
IC1701	8-759-562-43	IC TDA6108JF/N1B				DIODE					
COIL											
L1751	1-408-613-31	INDUCTOR	68 μ H			D941	8-719-991-33	DIODE 1SS133T-77			
RESISTOR						D946	8-719-110-88	DIODE RD39ESB2			
R1756	1-260-099-11	CARBON	1K	5%	1/2W	D947	8-719-110-88	DIODE RD39ESB2			
R1757	1-260-099-11	CARBON	1K	5%	1/2W	D1704	8-719-901-83	DIODE 1SS83			
R1758	1-260-099-11	CARBON	1K	5%	1/2W	D1705	8-719-901-83	DIODE 1SS83			
R1759	1-260-087-11	CARBON	100	5%	1/2W	D1706	8-719-901-83	DIODE 1SS83			
R1760	1-260-123-11	CARBON	100K	5%	1/2W	D1708	8-719-302-43	DIODE EL1Z			
DIODE						IC					
R1761	1-216-373-11	METAL OXIDE	2.2	5%	2W F	IC1701	8-759-562-43	IC TDA6108JF/N1B			
R1762	1-216-375-00	METAL OXIDE	3.3	5%	2W F						
R1763	1-247-807-31	CARBON	100	5%	1/4W						
R1764	1-247-807-31	CARBON	100	5%	1/4W						
R1765	1-247-807-31	CARBON	100	5%	1/4W						
R1770	1-260-132-11	CARBON	560K	5%	1/2W						

CVE

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
		JACK		R1947	1-249-432-11	CARBON	18K 5% 1/4W
J1701	△ 1-251-688-11	SOCKET, CRT		R1948	1-249-414-11	CARBON	560 5% 1/4W
				R1949	1-249-387-11	CARBON	3.3 5% 1/4W F
				R1950	1-249-401-11	CARBON	47 5% 1/4W F
				E			
				*A-1343-654-A E BOARD, COMPLETE			
				(KV-27S42, 27S46, 27S66 only)			
				*A-1343-656-A E BOARD, COMPLETE			
				(KV-29AL42, 29AL42C, 29AL66, 29AL66C, 29SL42, 29SL42C, 29SL46, 29XL42M, only)			
L1701	1-408-613-31	INDUCTOR	68μH	1-533-223-11 HOLDER, FUSE			
				* 4-374-846-01 COVER, CAPACITOR, CAP TYPE			
				TRANSISTOR			
Q943	8-729-119-78	TRANSISTOR 2SC2785-HFE		C5002	1-107-679-91	ELECT	10μF 20% 450V
Q944	8-729-119-78	TRANSISTOR 2SC2785-HFE		C5003	1-136-601-11	FILM	0.01μF 10% 630V
Q945	8-729-119-78	TRANSISTOR 2SC2785-HFE		C5004	1-130-471-00	MYLAR	0.001μF 5% 50V
Q946	8-729-017-05	TRANSISTOR 2SA1837		C5006	1-130-471-00	MYLAR	0.001μF 5% 50V
Q947	8-729-017-06	TRANSISTOR 2SC4793		C5007	1-130-467-00	MYLAR	470pF 5% 50V
Q965	8-729-119-78	TRANSISTOR 2SC2785-HFE		C5008	1-130-471-00	MYLAR	0.001μF 5% 50V
Q966	8-729-119-76	TRANSISTOR 2SA1175-HFE		C5009	1-126-965-11	ELECT	22μF 20% 50V
				C5010	1-115-804-91	ELECT	120μF 20% 35V
				C5020	△ 1-113-920-11	CERAMIC	0.0022μF 20% 125V
				(KV-27S42/27S46/27S66 only)			
				C5020	△ 1-113-924-11	CERAMIC	0.0047μF 20% 250V
				(KV-29AL66/29AL66C/29AL42/29AL42C/29SL42/29SL42C/29XL42M/29SL46 only)			
				C5021	△ 1-113-924-11	CERAMIC	0.0047μF 20% 250V
				(KV-29AL66/29AL66C/29AL42/29AL42C/29SL42/29SL42C/29XL42M/29SL46 only)			
				C5050	△ 1-136-311-11	FILM	0.47μF 20% 125V
				C5150	△ 1-136-311-11	FILM	0.47μF 20% 125V
				(KV-27S42/27S46/27S66 only)			
				C5643	1-113-924-11	CERAMIC	0.0047μF 20% 250V
				C5644	1-113-924-11	CERAMIC	0.0047μF 20% 250V
				RESISTOR			
R943	1-247-807-31	CARBON	100 5% 1/4W				
R948	1-249-417-11	CARBON	1K 5% 1/4W				
R949	1-249-421-11	CARBON	2.2K 5% 1/4W				
R950	1-249-417-11	CARBON	1K 5% 1/4W				
R951	1-249-417-11	CARBON	1K 5% 1/4W				
R952	1-249-413-11	CARBON	470 5% 1/4W				
R953	1-249-403-11	CARBON	68 5% 1/4W				
R954	1-247-815-91	CARBON	220 5% 1/4W				
R955	1-249-416-11	CARBON	820 5% 1/4W				
R956	1-247-807-31	CARBON	100 5% 1/4W				
R957	1-249-429-11	CARBON	10K 5% 1/4W				
R958	1-247-807-31	CARBON	100 5% 1/4W				
R959	1-249-403-11	CARBON	68 5% 1/4W				
R977	1-249-397-11	CARBON	22 5% 1/4W F				
R979	1-249-401-11	CARBON	47 5% 1/4W				
R1706	1-260-099-11	CARBON	1K 5% 1/2W				
R1707	1-260-099-11	CARBON	1K 5% 1/2W				
R1708	1-260-099-11	CARBON	1K 5% 1/2W				
R1709	1-260-087-11	CARBON	100 5% 1/2W				
R1710	1-260-123-11	CARBON	100K 5% 1/2W				
R1711	1-216-373-11	METAL OXIDE	2.2 5% 2W F				
R1712	1-216-375-00	METAL OXIDE	3.3 5% 2W F				
R1713	1-247-807-31	CARBON	100 5% 1/4W				
R1714	1-247-807-31	CARBON	100 5% 1/4W				
R1715	1-247-807-31	CARBON	100 5% 1/4W				
R1720	1-260-132-11	CARBON	560K 5% 1/2W				
R1941	1-260-312-11	CARBON	47 5% 1/2W				
R1942	1-249-387-11	CARBON	3.3 5% 1/4W F				
R1943	1-249-414-11	CARBON	560 5% 1/4W F				
R1944	1-249-432-11	CARBON	18K 5% 1/4W				
R1945	1-215-912-11	METAL OXIDE	150 5% 3W F				
R1946	1-249-417-11	CARBON	1K 5% 1/4W F				
				CONNECTOR			
				CN5000*	1-580-843-11	PIN, CONNECTOR (POWER)	2P
				CN5001*	1-564-506-11	PLUG, CONNECTOR	3P
				CN5002*	1-580-843-11	PIN, CONNECTOR (POWER)	2P
				CN5003*	1-508-786-00	PIN, CONNECTOR (5MM PITCH)	2P
				DIODE			
				D5003	8-719-948-45	DIODE ERA22-08	
				D5004	8-719-991-33	DIODE 1SS133T-77	
				D5005	8-719-991-33	DIODE 1SS133T-77	
				D5006	8-719-109-93	DIODE RD6.2ESB2	
				D5007	8-719-510-48	DIODE D1N20R	
				D5008	8-719-063-70	DIODE D1NL20U	
				D5631	8-719-911-55	DIODE U05G	
				D5632	8-719-911-55	DIODE U05G	

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK					
FUSE												
F5050 \triangle	1-576-193-11	FUSE 6.3A/125V (KV-27S42/27S46/27S66 only)		HT								
F5050 \triangle	1-532-506-51	FUSE 6.3A/250V (KV-29AL66/29AL66C/29AL42/29AL42C/29SL42/29SL42C/29XL42M/29SL46 only)										
TRANSISTOR												
Q5001	8-729-044-30	TRANSISTOR 2SK2845-LB102		CN2201*	1-564-518-11	PLUG, CONNECTOR 3P						
Q5002	8-729-119-78	TRANSISTOR 2SC2785-HFE										
RESISTOR												
R5001	1-249-389-11	CARBON 4.7	5%	1/4W F	R2001	1-249-415-11	CARBON 680	5% 1/4W				
R5002	1-215-485-00	METAL 470K	1%	1/4W	R2002	1-249-416-11	CARBON 820	5% 1/4W				
R5003	1-240-205-91	CARBON 22M	5%	1/2W	R2003	1-249-421-11	CARBON 2.2K	5% 1/4W				
R5007	1-249-421-11	CARBON 2.2K	5%	1/4W	R2004	1-249-427-11	CARBON 6.8K	5% 1/4W				
R5008	1-249-429-11	CARBON 10K	5%	1/4W	R2005	1-249-429-11	CARBON 10K	5% 1/4W				
R5009	1-249-437-11	CARBON 47K	5%	1/4W	R2006	1-247-815-91	CARBON 220	5% 1/4W				
R5010	1-249-415-11	CARBON 680	5%	1/4W	SWITCH							
R5011	1-260-302-51	CARBON 6.8	5%	1/2W	S2001	1-572-198-11	SWITCH, KEYBOARD					
R5012	1-249-417-11	CARBON 1K	5%	1/4W	S2002	1-572-198-11	SWITCH, KEYBOARD					
R5013	1-249-415-11	CARBON 680	5%	1/4W	S2003	1-572-198-11	SWITCH, KEYBOARD					
R5050	1-219-512-11	CARBON 2.2M	5%	1/2W	S2004	1-572-198-11	SWITCH, KEYBOARD					
R5350 \triangle	1-219-513-11	CARBON 4.7M	5%	1/2W (KV-27S42/27S46/27S66 only)	S2005	1-572-198-11	SWITCH, KEYBOARD					
R5350 \triangle	1-247-289-00	CARBON 8.2M	5%	1W (KV-29AL66/29AL66C/29AL42/29AL42C/29SL42/29SL42C/29XL42M/29SL46 only)	S2006	1-572-198-11	SWITCH, KEYBOARD					
TRANSFORMER												
T5001 \triangle	1-431-852-11	TRANSFORMER, CONVERTER (SRT)		S2007	1-572-198-11	SWITCH, KEYBOARD						
T5050 \triangle	1-431-838-11	TRANSFORMER, LINE FILTER (KV-27S42/27S46/27S66 only)										
T5050 \triangle	1-426-717-11	TRANSFORMER, LINE FILTER (KV-29AL66/29AL66C/29AL42/29AL42C/29SL42/29SL42C/29XL42M/29SL46 only)										
THERMISTOR												
TH506	1-803-586-11	THERMISTOR										
VARISTOR												
VDR505	1-803-585-11	VARISTOR (KV-27S42/27S46/27S66 only)										
VDR505	1-803-587-11	VARISTOR (KV-29AL66/29AL66C/29AL42/29AL42C/29SL42/29SL42C/29XL42M/29SL46 only)										



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
HV _____				IC			
* A-1372-617-A HV BOARD, COMPLETE (KV-29AL42/29AL42C/29AL66/29AL66C only)				IC1403 8-759-496-03 IC NJM2178L IC2003 8-742-014-11 HYB IC SBX1981-51			
CAPACITOR				JACK			
C1407 1-137-194-91 FILM 0.47μF 5% 50V C1408 1-136-287-11 FILM 0.0047μF 5% 50V C1409 1-137-194-81 FILM 0.47μF 5% 50V C1410 1-126-964-11 ELECT 10μF 20% 50V C1411 1-126-964-11 ELECT 10μF 20% 50V				J2231 1-691-110-11 JACK, PIN 3P			
C1412 1-126-964-11 ELECT 10μF 20% 50V C1413 1-126-964-11 ELECT 10μF 20% 50V C1415 1-126-968-11 ELECT 100μF 20% 50V C1416 1-106-375-12 MYLAR 0.022μF 20% 200V C1417 1-137-414-11 FILM 0.0047μF 10% 100V				RESISTOR			
C1418 1-102-114-00 CERAMIC 470pF 10% 50V C1419 1-130-495-00 FILM 0.1μF 5% 50V C1420 1-137-371-11 FILM 0.015μF 5% 50V C1421 1-102-121-00 CERAMIC 0.0022μF 10% 50V C1422 1-137-414-11 FILM 0.0047μF 10% 100V				R1403 1-215-437-00 METAL 4.7K 1% 1/4W R1404 1-249-419-11 CARBON 1.5K 5% 1/4W R1405 1-249-424-11 CARBON 3.9K 5% 1/4W R1406 1-249-437-11 CARBON 47K 5% 1/4W R1407 1-249-435-11 CARBON 33K 5% 1/4W			
C1423 1-137-194-91 FILM 0.47μF 5% 50V C1424 1-130-495-00 FILM 0.1μF 5% 50V C1425 1-137-370-11 FILM 0.01μF 5% 50V C1426 1-130-495-00 FILM 0.1μF 5% 50V C1427 1-137-370-11 FILM 0.01μF 5% 50V				R1408 1-215-469-00 METAL 100K 1% 1/4W R1409 1-249-417-11 CARBON 1K 5% 1/4W R1410 1-215-461-00 METAL 47K 1% 1/4W R1411 1-249-429-11 CARBON 10K 5% 1/4W R1412 1-247-807-31 CARBON 100 5% 1/4W			
C1428 1-130-495-00 FILM 0.1μF 5% 50V C1429 1-137-370-11 FILM 0.01μF 5% 50V C1430 1-126-964-11 ELECT 10μF 20% 50V C1431 1-136-287-11 FILM 0.0047μF 5% 50V C1432 1-126-964-11 ELECT 10μF 20% 50V				R1413 1-247-807-31 CARBON 100 5% 1/4W R1414 1-249-429-11 CARBON 10K 5% 1/4W R1415 1-249-429-11 CARBON 10K 5% 1/4W R1416 1-249-429-11 CARBON 10K 5% 1/4W R1417 1-249-429-11 CARBON 10K 5% 1/4W			
C1437 1-126-964-11 ELECT 10μF 20% 50V C2068 1-104-665-11 ELECT 100μF 20% 25V C2234 1-126-960-11 ELECT 1μF 20% 50V C2235 1-126-960-11 ELECT 1μF 20% 50V C2236 1-106-343-00 MYLAR 0.001μF 10% 200V				R1419 1-249-441-11 CARBON 100K 5% 1/4W R1420 1-249-429-11 CARBON 10K 5% 1/4W R1421 1-249-441-11 CARBON 100K 5% 1/4W R1422 1-249-429-11 CARBON 10K 5% 1/4W R1423 1-249-441-11 CARBON 100K 5% 1/4W			
CONNECTOR				R1430 1-215-461-00 METAL 47K 1% 1/4W R1431 1-249-429-11 CARBON 10K 5% 1/4W R1433 1-249-429-11 CARBON 10K 5% 1/4W R1434 1-215-445-00 METAL 10K 1% 1/4W R1435 1-249-431-11 CARBON 15K 5% 1/4W			
CN1405*1-564-510-11 PLUG, CONNECTOR 7P CN1406*1-564-506-11 PLUG, CONNECTOR 3P CN2001*1-564-506-11 PLUG, CONNECTOR 3P CN2201*1-564-508-11 PLUG, CONNECTOR 5P CN2202*1-564-510-11 PLUG, CONNECTOR 7P				R2236 1-247-895-91 CARBON 470K 5% 1/4W R2238 1-247-895-91 CARBON 470K 5% 1/4W			
DIODE				K _____			
D2001 8-719-110-17 DIODE RD10ESB2 D2006 1-810-039-21 LED UNIT D2235 8-719-110-17 DIODE RD10ESB2 D2236 8-719-110-17 DIODE RD10ESB2				* A-1380-608-A K BOARD, COMPLETE (KV-27S66/29AL42/29AL42C/29AL66/29AL66C only) * A-1380-611-A K BOARD, COMPLETE (KV-27S66 only) * A-1380-612-A K BOARD, COMPLETE (KV-29AL42/29AL42C only)			
4-382-854-11 SCREW (M3X10), P, SW (+)							

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K

REF.NO.	PART NO.	DESCRIPTION	REMARK			REF.NO.	PART NO.	DESCRIPTION	REMARK											
CAPACITOR																				
C1001	1-126-968-11	ELECT	100 μ F	20%	50V	PS1400	1-532-984-11	LINK, IC	2A/90V											
C1002	1-104-664-11	ELECT	47 μ F	20%	25V	PS1401	1-532-984-11	LINK, IC	2A/90V											
C1003	1-126-964-11	ELECT	10 μ F	20%	50V															
C1004	1-126-934-11	ELECT	220 μ F	20%	16V															
C1006	1-137-368-11	FILM	0.0047 μ F	5%	50V															
C1007	1-126-960-11	ELECT	1 μ F	20%	50V	IC LINK														
C1401	1-126-957-11	ELECT (KV-29AL66/29AL66C only)	0.22 μ F	20%	50V	Q1001	8-729-119-78	TRANSISTOR 2SC2785-HFE												
C1401	1-126-959-11	ELECT (KV-29AL42/29AL42C only)	0.47 μ F	20%	50V	Q1002	8-729-119-76	TRANSISTOR 2SA1175-HFE												
C1402	1-126-957-11	ELECT (KV-29AL66/29AL66C only)	0.22 μ F	20%	50V	Q1003	8-729-119-76	TRANSISTOR 2SA1175-HFE												
C1402	1-126-959-11	ELECT (KV-29AL42/29AL42C only)	0.47 μ F	20%	50V	Q1004	8-729-119-76	TRANSISTOR 2SA1175-HFE												
C1403	1-126-943-11	ELECT (KV-29AL42/29AL42C/29AL66/29AL66C only)	2200 μ F	20%	25V	Q1006	8-729-119-76	TRANSISTOR 2SA1175-HFE												
C1404	1-126-943-11	ELECT (KV-29AL42/29AL42C/29AL66/29AL66C only)	2200 μ F	20%	25V	Q1400	8-729-119-78	TRANSISTOR 2SC2785-HFE												
C1405	1-126-382-11	ELECT	100 μ F	20%	16V	TRANSISTOR														
C1406	1-126-382-11	ELECT	100 μ F	20%	16V	Q1001	8-729-119-78	TRANSISTOR 2SC2785-HFE												
C1450	1-136-171-00	FILM	0.33 μ F	5%	50V	Q1002	8-729-119-76	TRANSISTOR 2SA1175-HFE												
C1451	1-136-171-00	FILM	0.33 μ F	5%	50V	Q1003	8-729-119-76	TRANSISTOR 2SA1175-HFE												
C1452	1-137-367-11	FILM (KV-29AL42/29AL42C/29AL66/29AL66C only)	0.0033 μ F	5%	50V	Q1004	8-729-119-76	TRANSISTOR 2SA1175-HFE												
C1453	1-137-367-11	FILM (KV-29AL42/29AL42C/29AL66/29AL66C only)	0.0033 μ F	5%	50V	Q1006	8-729-119-76	TRANSISTOR 2SA1175-HFE												
CONNECTOR																				
CN1001*1-691-632-21	CN1001*1-691-632-21	CONNECTOR, BOARD TO BOARD 15P (KV-27S66 only)				R1001	1-247-807-31	CARBON	100	5%	1/4W									
CN1002*1-564-507-11	CN1002*1-564-507-11	PLUG, CONNECTOR 4P				R1002	1-247-807-31	CARBON	100	5%	1/4W									
CN1003*1-564-511-11	CN1003*1-564-511-11	PLUG, CONNECTOR 8P (KV-29AL42/29AL42C/29AL66/29AL66C only)				R1003	1-249-434-11	CARBON	27K	5%	1/4W									
CN1004*1-564-509-11	CN1004*1-564-509-11	PLUG, CONNECTOR 6P (KV-29AL66/29AL66C only)				R1004	1-249-436-11	CARBON	39K	5%	1/4W									
CN1400*1-564-507-11	CN1400*1-564-507-11	PLUG, CONNECTOR 4P				R1006	1-249-419-11	CARBON	1.5K	5%	1/4W									
CN1401*1-564-506-11	CN1401*1-564-506-11	PLUG, CONNECTOR 3P				R1007	1-247-863-91	CARBON	22K	5%	1/4W									
CN1402*1-564-510-11	CN1402*1-564-510-11	PLUG, CONNECTOR 7P (KV-29AL42/29AL42C/29AL66/29AL66C only)				R1008	1-247-863-91	CARBON	22K	5%	1/4W									
IC																				
IC1400	8-759-498-09	IC TDA1519AQU				R1012	1-249-414-11	CARBON	560	5%	1/4W									
IC1401	8-759-498-09	IC TDA1519AQU (KV-29AL42/29AL42C/29AL66/29AL66C only)				R1013	1-247-807-31	CARBON	100	5%	1/4W									
COIL																				
L1001	1-408-421-00	INDUCTOR	100 μ H			R1016	1-247-863-91	CARBON	22K	5%	1/4W									
L1002	1-410-470-11	INDUCTOR	10 μ H			R1017	1-247-863-91	CARBON	22K	5%	1/4W									
COIL																				
TUNER																				
TU1002 \triangle 8-598-430-00 TUNER, FSS BTF-FA401 (KV-27S66/29AL66/29AL66C only)																				

P

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
P							
P							
* A-1195-154-A P BOARD, COMPLETE (KV-29AL66/29AL66C/27S46/27S66/29SL46 only)							
CAPACITOR							
C3301	1-163-031-11	CERAMIC CHIP	0.01 μ F	50V			
C3302	1-163-031-11	CERAMIC CHIP	0.01 μ F	50V			
C3303	1-104-664-11	ELECT	47 μ F	20%	16V		
C3304	1-163-031-11	CERAMIC CHIP	0.01 μ F	50V			
C3305	1-163-135-00	CERAMIC CHIP	560 μ F	5%	50V		
C3306	1-163-038-91	CERAMIC CHIP	0.1 μ F	25V			
C3307	1-163-038-91	CERAMIC CHIP	0.1 μ F	25V			
C3308	1-164-222-11	CERAMIC CHIP	0.22 μ F	25V			
C3309	1-163-034-00	CERAMIC CHIP	0.033 μ F	50V			
C3310	1-164-222-11	CERAMIC CHIP	0.22 μ F	25V			
C3311	1-163-233-11	CERAMIC CHIP	18 μ F	5%	50V		
C3314	1-163-031-11	CERAMIC CHIP	0.01 μ F	50V			
C3315	1-163-031-11	CERAMIC CHIP	0.01 μ F	50V			
C3316	1-163-133-00	CERAMIC CHIP	470 μ F	5%	50V		
C3317	1-163-133-00	CERAMIC CHIP	470 μ F	5%	50V		
C3323	1-104-664-11	ELECT	47 μ F	20%	16V		
C3324	1-163-031-11	CERAMIC CHIP	0.01 μ F	50V			
C3325	1-163-031-11	CERAMIC CHIP	0.01 μ F	50V			
C3326	1-104-664-11	ELECT	47 μ F	20%	16V		
C3327	1-104-664-11	ELECT	47 μ F	20%	16V		
C3328	1-104-664-11	ELECT	47 μ F	20%	16V		
C3330	1-126-964-11	ELECT	10 μ F	20%	50V		
C3334	1-164-005-11	CERAMIC CHIP	0.47 μ F	25V			
C3335	1-163-009-11	CERAMIC CHIP	0.001 μ F	10%	50V		
C3336	1-163-031-11	CERAMIC CHIP	0.01 μ F	50V			
C3339	1-163-005-11	CERAMIC CHIP	470 μ F	10%	50V		
CONNECTOR							
CN3301*	1-691-632-21	CONNECTOR, BOARD TO BOARD 15P					
DIODE							
D3301	8-719-404-50	DIODE MA111-TX					
D3304	8-719-422-12	DIODE MA8039					
IC							
IC3301	8-759-575-99	IC M65669FP					
COIL							
L3301	1-410-682-31	INDUCTOR	470 μ H				
L3302	1-414-267-11	INDUCTOR	10 μ H				
L3303	1-414-267-11	INDUCTOR	10 μ H				
TRANSISTOR							
Q3304	8-729-216-22	TRANSISTOR 2SA1162-G					
Q3305	8-729-216-22	TRANSISTOR 2SA1162-G					
Q3306	8-729-216-22	TRANSISTOR 2SA1162-G					
Q3309	8-729-422-27	TRANSISTOR 2SD601A-Q					
Q3310	8-729-422-27	TRANSISTOR 2SD601A-Q					
Q3311	8-729-111-55	TRANSISTOR 2SD1312-K					
Q3312	8-729-216-22	TRANSISTOR 2SA1162-G					
Q3313	8-729-422-27	TRANSISTOR 2SD601A-Q					
Q3314	8-729-422-27	TRANSISTOR 2SD601A-Q					
RESISTOR							
R3301	1-216-057-00	RES,CHIP	2.2K	5%	1/10W		
R3302	1-216-121-91	RES,CHIP	1M	5%	1/10W		
R3303	1-216-057-00	RES,CHIP	2.2K	5%	1/10W		
R3304	1-216-119-00	RES,CHIP	820K	5%	1/10W		
R3305	1-216-037-00	RES,CHIP	330	5%	1/10W		
R3308	1-216-085-00	RES,CHIP	33K	5%	1/10W		
R3309	1-216-025-91	RES,CHIP	100	5%	1/10W		
R3310	1-216-025-91	RES,CHIP	100	5%	1/10W		
R3311	1-216-037-00	RES,CHIP	330	5%	1/10W		
R3312	1-216-045-00	RES,CHIP	680	5%	1/10W		
R3313	1-216-037-00	RES,CHIP	330	5%	1/10W		
R3316	1-216-295-91	SHORT					
R3317	1-216-295-91	SHORT					
R3318	1-216-061-00	RES,CHIP	3.3K	5%	1/10W		
R3319	1-216-295-91	SHORT					
R3328	1-216-295-91	SHORT					
R3329	1-216-033-00	RES,CHIP	220	5%	1/10W		
R3333	1-216-049-91	RES,CHIP	1K	5%	1/10W		
R3334	1-216-049-91	RES,CHIP	1K	5%	1/10W		
R3335	1-216-049-91	RES,CHIP	1K	5%	1/10W		
R3336	1-216-295-91	SHORT					
R3338	1-216-295-91	SHORT					
R3340	1-216-295-91	SHORT					
R3342	1-216-057-00	RES,CHIP	2.2K	5%	1/10W		
R3343	1-216-065-91	RES,CHIP	4.7K	5%	1/10W		
R3344	1-216-073-00	RES,CHIP	10K	5%	1/10W		
R3345	1-216-073-00	RES,CHIP	10K	5%	1/10W		
R3346	1-216-295-91	SHORT					
R3347	1-216-049-91	RES,CHIP	1K	5%	1/10W		
R3348	1-216-049-91	RES,CHIP	1K	5%	1/10W		
R3349	1-215-857-11	METAL OXIDE	10	5%	1W F		
R3351	1-216-041-00	RES,CHIP	470	5%	1/10W		
R3352	1-216-295-91	SHORT					
R3357	1-216-041-00	RES,CHIP	470	5%	1/10W		
R3358	1-216-689-11	RES,CHIP	39K	5%	1/10W		
R3359	1-216-113-00	RES,CHIP	470K	5%	1/10W		
R3360	1-216-051-00	RES,CHIP	1.2K	5%	1/10W		
R3361	1-216-053-00	RES,CHIP	1.5K	5%	1/10W		
R3365	1-216-073-00	RES,CHIP	10K	5%	1/10W		
R3366	1-216-049-91	RES,CHIP	1K	5%	1/10W		



<u>REF.NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REMARK</u>		<u>REF.NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REMARK</u>
R3367	1-216-073-00	RES,CHIP	10K	5%	1/10W			
R3368	1-216-049-91	RES,CHIP	1K	5%	1/10W			
<u>CRYSTAL</u>								
X3301 1-781-377-11 OSCILLATOR, CRYSTAL								
<u>ACCESSORIES AND PACKING MATERIAL</u>								
3-866-074-21 MANUAL, INSTRUCTION (KV-27S42/27S46/27S66 only) 3-866-074-31 MANUAL, INSTRUCTION (KV-27S42 (CND)/27S66 (CND) only) 3-866-074-41 MANUAL, INSTRUCTION (KV-29SL42/29XL42M/29SL42C/29SL46/29AL42/29AL42C/29AL66/ 29AL66C only)								
* 4-041-255-01 PROTECTION BAG (all models) * 4-064-062-11 CARTON, INDIVIDUAL (KV-29SL42/29XL42M/29SL42C/29SL46 only) * 4-064-065-01 CARTON, INDIVIDUAL (KV-27S42/27S46/27S66 only) * 4-064-241-11 CARTON, INDIVIDUAL (KV-29AL42/29AL42C/29AL66/29AL66C only) * 4-064-029-01 CUSHION ASSY, UPPER (KV-29AL42/29AL42C/29AL66/29AL66C only) * 4-064-069-01 CUSHION ASSY, UPPER (KV-27S42/29SL42/29XL42M/29SL42C/27S46/29SL46/27S66 only) * 4-064-032-01 CUSHION ASSY, LOWER (KV-29AL42/29AL42C/29AL66/29AL66C only) * 4-064-071-01 CUSHION ASSY, LOWER (KV-27S42/29SL42/29XL42M/29SL42C/27S46/29SL46/27S66 only)								
<u>REMOTE COMMANDER</u>								
1-475-801-11 REMOTE COMMANDER (RM-Y165) (KV-29SL42/29XL42M/29SL42C/29AL42/29AL42C only) 1-475-801-21 REMOTE COMMANDER (RM-Y165) (KV-27S42 only) 1-475-802-11 REMOTE COMMANDER (RM-Y167) (KV-29SL46/29AL66/29AL66C only) 1-475-802-21 REMOTE COMMANDER (RM-Y167) (KV-27S46/27S66 only) 4-978-977-01 BATTERY COVER (for remote RM-Y165/RM-Y167)								

NOTES:

9-965-857-02

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SERVICE MANUAL

BA-4D CHASSIS

<u>MODEL</u>	<u>COMMANDER</u>	<u>DEST</u>	<u>CHASSIS NO.</u>
KV-27S42	RM-Y165	US	SCC-S27H-A
KV-27S42	RM-Y165	CND	SCC-S28F-A
KV-27S46	RM-Y167	US	SCC-S27K-A
KV-27S66	RM-Y167	US	SCC-S27L-A
KV-27S66	RM-Y167	CND	SCC-S28G-A
KV-29AL42	RM-Y165	E	SCC-S25U-A
KV-29AL42C	RM-Y165	E	SCC-S25Y-A
KV-29AL66	RM-Y167	E	SCC-S25T-A
KV-29AL66C	RM-Y167	E	SCC-S25V-A
KV-29SL42	RM-Y165	E	SCC-S25W-A
KV-29SL42C	RM-Y165	E	SCC-S25S-A
KV-29SL46	RM-Y167	E	SCC-S25X-A
KV-29XL42M	RM-Y165	MX	SCC-S26C-A

CORRECTION-1

SUBJECT: Incorrect Part Number for CRT (KV-2766 only)

Correct the service manual as shown.
File this correction with the service manual.

Section 7-1: Chassis (KV-27S66) page 46

☛ : Corrected item

Incorrect			Correct		
REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
7	△ 8-733-874-05	CRT 29NX	7	△ 8-733-873-05	CRT 29NX

SERVICE MANUAL

BA-4D CHASSIS

<u>MODEL</u>	<u>COMMANDER</u>	<u>DEST</u>	<u>CHASSIS NO.</u>
KV-27S42	RM-Y165	US	SCC-S27H-A
KV-27S42	RM-Y165	CND	SCC-S28F-A
KV-27S46	RM-Y167	US	SCC-S27K-A
KV-27S66	RM-Y167	US	SCC-S27L-A
KV-27S66	RM-Y167	CND	SCC-S28G-A
KV-29AL42	RM-Y165	E	SCC-S25U-A
KV-29AL42C	RM-Y165	E	SCC-S25Y-A
KV-29AL66	RM-Y167	E	SCC-S25T-A
KV-29AL66C	RM-Y167	E	SCC-S25V-A
KV-29SL42	RM-Y165	E	SCC-S25W-A
KV-29SL42C	RM-Y165	E	SCC-S25S-A
KV-29SL46	RM-Y167	E	SCC-S25X-A
KV-29XL42M	RM-Y165	MX	SCC-S26C-A

CORRECTION-2

SUBJECT: DY P/N Correction

Correct the service manual as shown.
File this Correction with the service manual.

☞ : Corrected Items

Section 7: Exploded Views(Page 46 and 47)

INCORRECT			CORRECT		
Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
10 △	8-451-846-21	DYY29VXA-V2	☞ 10 △	8-451-486-21	DYY29NXA-V2
15 △	8-451-846-21	DYY29VXA-V2	☞ 15 △	8-451-486-21	DYY29NXA-V2

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English

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SERVICE MANUAL

BA-4D CHASSIS

<u>MODEL</u>	<u>COMMANDER</u>	<u>DEST</u>	<u>CHASSIS NO.</u>
KV-27S42	RM-Y165	US	SCC-S27H-A
KV-27S42	RM-Y165	CND	SCC-S28F-A
KV-27S46	RM-Y167	US	SCC-S27K-A
KV-27S66	RM-Y167	US	SCC-S27L-A
KV-27S66	RM-Y167	CND	SCC-S28G-A
KV-29AL42	RM-Y165	E	SCC-S25U-A
KV-29AL42C	RM-Y165	E	SCC-S25Y-A
KV-29AL66	RM-Y167	E	SCC-S25T-A
KV-29AL66C	RM-Y167	E	SCC-S25V-A
KV-29SL42	RM-Y165	E	SCC-S25W-A
KV-29SL42C	RM-Y165	E	SCC-S25S-A
KV-29SL46	RM-Y167	E	SCC-S25X-A
KV-29XL42M	RM-Y165	MX	SCC-S26C-A
 KV-29SL43	RM-Y165	E	SCC-S55C-A

SUPPLEMENT-1

Subject: New model added. New parts added to Exploded View.

Correct the service manual as shown below.
File this correction with the service manual.

 : Modified Item

Section 7: Exploded View (Page 47)

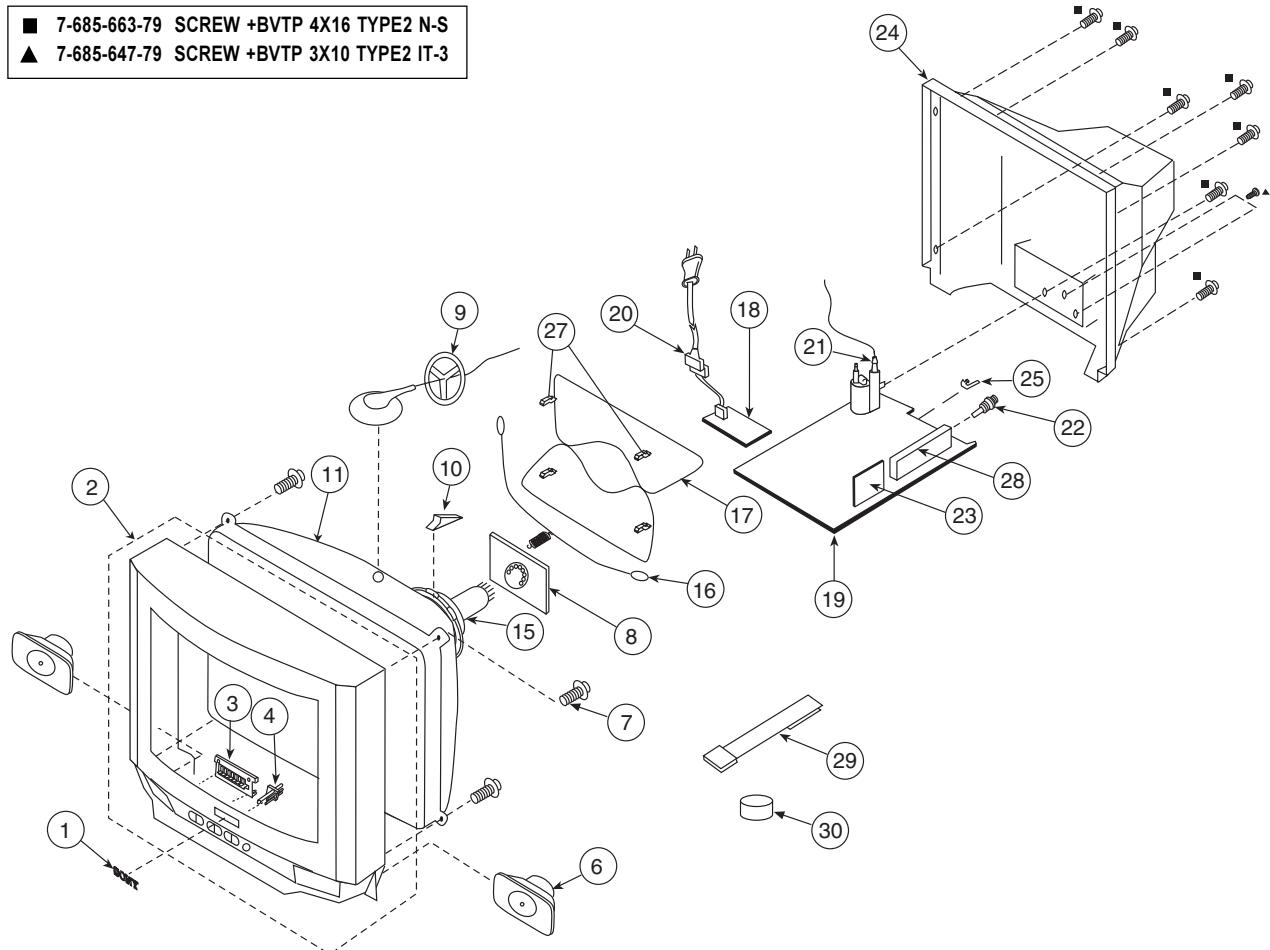
7-2. Chassis (KV-27S46/27S42/29SL42/29SL42C/29SL46/29XL42M)

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7-2. CHASSIS (KV-27S46/27S42/29SL42/29SL42C/29SL46/29XL42M/29SL43)

- 7-685-663-79 SCREW +BVTP 4X16 TYPE2 N-S
- ▲ 7-685-647-79 SCREW +BVTP 3X10 TYPE2 IT-3



REF NO.	PART NO.	DESCRIPTION	REMARK	REF NO.	PART NO.	DESCRIPTION	REMARK
1	4-046-160-11	EMBLEM (NO.9), SONY		18 *	A-1343-654-A	E (VAR) MOUNTED PC BOARD (KV-27S42/27S46)	
2	X-4035-816-1	BEZNET ASSY (KV-27S46/29SL46)	3-4	19 *	A-1298-900-A	A COMPLETE PC BOARD (KV-27S46)	
2	X-4035-818-1	BEZNET ASSY (KV-29XL42M)	3-4	19 *	A-1298-904-A	A COMPLETE PC BOARD (KV-29XL42M/29SL42/29SL46)	
2	X-4035-815-1	BEZNET ASSY (KV-27S42/29SL42/42C)	3-4	19 *	A-1298-911-A	A COMPLETE PC BOARD (KV-29SL46)	
2	X-4039-334-1	BEZNET ASSY (KV-29SL43)	3-4	19 *	A-1298-840-A	A COMPLETE PC BOARD (KV-27S42)	
3	4-063-573-01	MULTI BUTTON(KV-27S42/27S46/29SL42/29SL42C/29SL46/29XL42M)		20	1-790-130-21	CORD, AC (KV-27S42/27S46)	
3	4-063-573-11	MULTI BUTTON (KV-29SL43)		20	1-751-057-11	CORD, POWER (WITH CONNECTOR) 10A/125V (KV-29SL42/29XL42M/29SL46)	
4	4-063-570-01	GUIDE, LED		20	1-769-796-31	CORD, POWER (WITH CONNECTOR) 10A/125V (KV-29SL42C)	
6	1-504-531011	SPEAKER (13.1 x 6.2CM)		21	1-453-268-21	FBT ASSY NX-4005//X4J4	
7	4-041-268-01	SCREW (7), TAPPING		22	1-766-374-11	PLUG, F-PIN	
8 *	A-1331-920-A	C MOUNTED PC BOARD		23 *	A-1195-154-A	P COMPLETE PC BOARD (KV-27S46/29SL46)	
9	3-704-372-31	HOLDER, HV CABLE		24	4-063-572-02	COVER, REAR	
10	4-053-005-01	SPACER, DY		25	4-064-646-01	CHASSIS, CLIP	
11	8-733-873-05	CRT 29NX (EXCEPT KV-29SL42C)		27	4-040-388-01	HOLDER (S), DGC (EXCEPT KV-29SL46)	
11	8-733-874-05	CRT 29NX (KV-29SL42C only)		28	8-598-431-00	TUNER, FSS BTF-WA411	
15	8-451-846-21	DYY29NXA-V2		29	4-062-047-01	PIECE A(110), CONV CORRECT	
16	4-036-329-01	SPRING (B), TENSION		30	1-452-032-00	MAGNET,DISC	
17	1-416-952-11	COIL, DEGAUSSING (KV-29SL42/29XL42M/29SL42C/29SL46)					
17	1-416-588-11	COIL, DEMAGNETIC (KV-27S42/27S46)					
18 *	A-1343-656-A	E (VAR) MOUNTED PC BOARD (KV-29SL42/29XL42M/29SL46)					

KV-27S42	RM-Y165	US	SCC-S27H-A
KV-27S42	RM-Y165	CND	SCC-S28F-A
KV-27S46	RM-Y167	US	SCC-S27K-A
KV-27S66	RM-Y167	US	SCC-S27L-A
KV-27S66	RM-Y167	CND	SCC-S28G-A
KV-29AL42	RM-Y165	E	SCC-S25U-A
KV-29AL42C	RM-Y165	E	SCC-S25Y-A
KV-29AL66	RM-Y167	E	SCC-S25T-A
KV-29AL66C	RM-Y167	E	SCC-S25V-A
KV-29SL42	RM-Y165	E	SCC-S25W-A
KV-29SL42C	RM-Y165	E	SCC-S25S-A
KV-29SL46	RM-Y167	E	SCC-S25X-A
KV-29XL42M	RM-Y165	MX	SCC-S26C-A
KV-29SL43	RM-Y165	E	SCC-S55C-A
 KV-29SL43C	RM-Y165	E	SCC-S55D-A

SUPPLEMENT-2

**Subject: New model added. New parts added
to Exploded View.**

Correct the service manual as shown below.
File this correction with the service manual.

 : Modified Item

Section 7: Exploded View (Page 47)

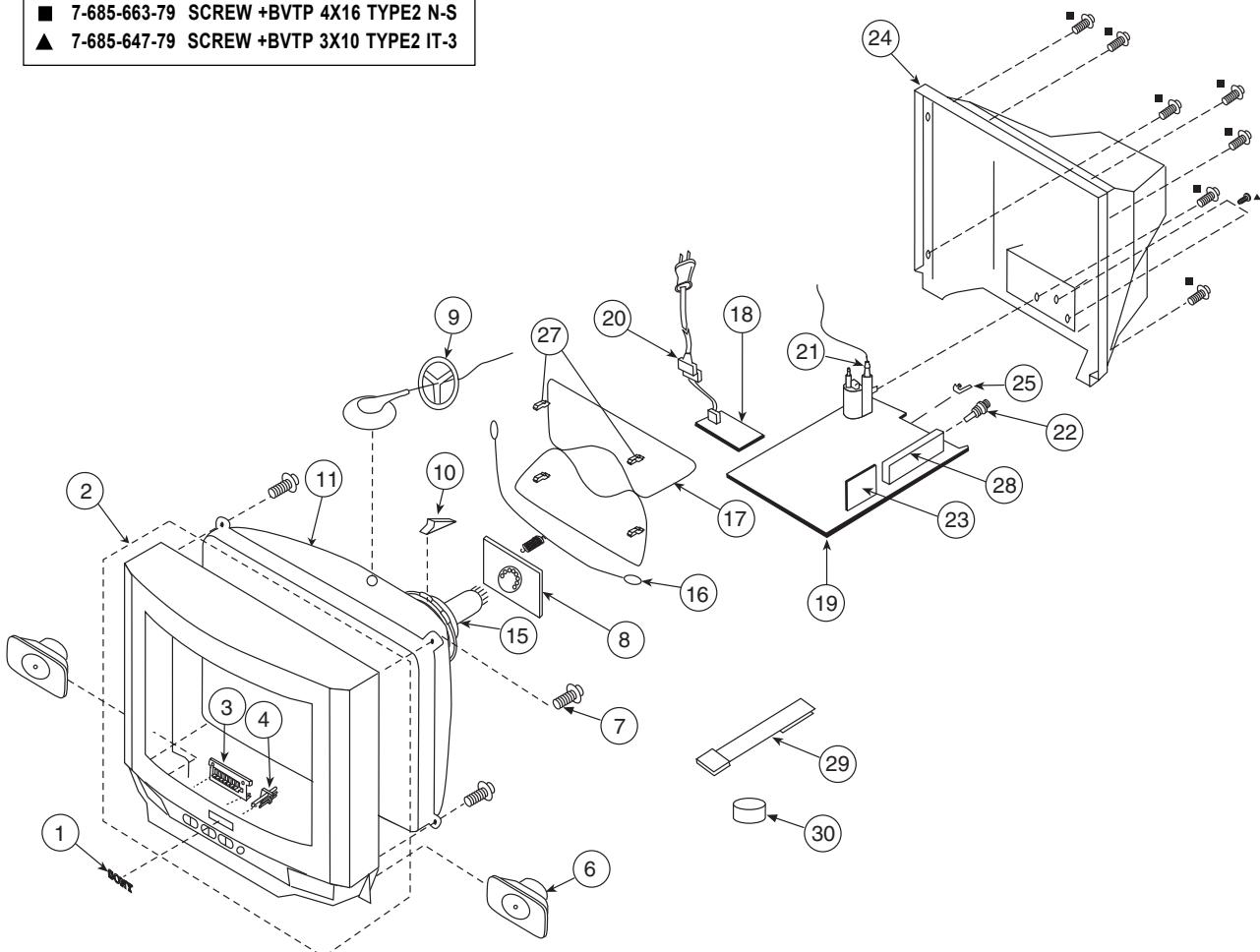
7-2. Chassis (KV-27S46/27S42/29SL42/29SL42C/29SL46/29XL42M/29SL43/29SL43C)

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7-2. CHASSIS (KV-27S46/27S42/29SL42/29SL42C/29SL46/29XL42M/29SL43/29SL43C)

- 7-685-663-79 SCREW +BVTP 4X16 TYPE2 N-S
- ▲ 7-685-647-79 SCREW +BVTP 3X10 TYPE2 IT-3



REF NO.	PART NO.	DESCRIPTION	REMARK	REF NO.	PART NO.	DESCRIPTION	REMARK
1	4-046-160-11	EMBLEM (NO.9), SONY		18 *	A-1343-654-A	E (VAR) MOUNTED PC BOARD (KV-27S42/27S46)	
2	X-4035-816-1	BEZNET ASSY (KV-27S46/29SL46)	3-4	19 *	A-1298-900-A	A COMPLETE PC BOARD (KV-27S46)	
2	X-4035-818-1	BEZNET ASSY (KV-29XL42M)	3-4	19 *	A-1298-904-A	A COMPLETE PC BOARD (KV-29XL42M/29SL42/42C)	
2	X-4035-815-1	BEZNET ASSY (KV-27S42/29SL42/42C)	3-4	19 *	A-1298-911-A	A COMPLETE PC BOARD (KV-29SL46)	
2	X-4039-334-1	BEZNET ASSY (KV-29SL43/29SL43C)	3-4	19 *	A-1298-840-A	A COMPLETE PC BOARD (KV-27S42)	
3	4-063-573-01	MULTI BUTTON(KV-27S42/27S46/29SL42/29SL42C/29SL46/29XL42M)		20	1-790-130-21	CORD, AC (KV-27S42/27S46)	
3	4-063-573-11	MULTI BUTTON (KV-29SL43/29SL43C)		20	1-751-057-11	CORD, POWER (WITH CONNECTOR) 10A/125V (KV-29SL42/29XL42M/29SL46)	
4	4-063-570-01	GUIDE, LED		20	1-769-796-31	CORD, POWER (WITH CONNECTOR) 10A/125V (KV-29SL42C)	
6	1-504-531011	SPEAKER (13.1 x 6.2CM)		21	1-453-268-21	FBT ASSY NX-4005//X4J4	
7	4-041-268-01	SCREW (7), TAPPING		22	1-766-374-11	PLUG, F-PIN	
8 *	A-1331-920-A	C MOUNTED PC BOARD		23 *	A-1195-154-A	P COMPLETE PC BOARD (KV-27S46/29SL46)	
9	3-704-372-31	HOLDER, HV CABLE		24	4-063-572-02	COVER, REAR	
10	4-053-005-01	SPACER, DY		25	4-064-646-01	CHASSIS, CLIP	
11	8-733-873-05	CRT 29NX (EXCEPT KV-29SL42C)		27	4-040-388-01	HOLDER (S), DGC (EXCEPT KV-29SL46)	
11	8-733-874-05	CRT 29NX (KV-29SL42C only)		28	8-598-431-00	TUNER, FSS BTF-WA411	
15	8-451-846-21	DYY29NXA-V2		29	4-062-047-01	PIECE A(110), CONV CORRECT	
16	4-036-329-01	SPRING (B), TENSION		30	1-452-032-00	MAGNET,DISC	
17	1-416-952-11	COIL, DEGAUSSING (KV-29SL42/29XL42M/29SL42C/29SL46)					
17	1-416-588-11	COIL, DEMAGNETIC (KV-27S42/27S46)					
18 *	A-1343-656-A	E (VAR) MOUNTED PC BOARD (KV-29SL42/29XL42M/29SL46)					

KV-27S42	RM-Y165	US	SCC-S27H-A
KV-27S42	RM-Y165	CND	SCC-S28F-A
KV-27S46	RM-Y167	US	SCC-S27K-A
KV-27S66	RM-Y167	US	SCC-S27L-A
KV-27S66	RM-Y167	CND	SCC-S28G-A
KV-29AL42	RM-Y165	E	SCC-S25U-A
KV-29AL42C	RM-Y165	E	SCC-S25Y-A
KV-29AL66	RM-Y167	E	SCC-S25T-A
KV-29AL66C	RM-Y167	E	SCC-S25V-A
KV-29SL42	RM-Y165	E	SCC-S25W-A
KV-29SL42C	RM-Y165	E	SCC-S25S-A
KV-29SL46	RM-Y167	E	SCC-S25X-A
KV-29XL42M	RM-Y165	MX	SCC-S26C-A
KV-29SL43	RM-Y165	E	SCC-S55C-A
KV-29SL43C	RM-Y165	E	SCC-S55D-A

CORRECTION - 3

Subject: Q550 P/N Correction

Correct the service manual as shown below.
File this correction with the service manual.

☞ : Modified Item

Section 8: Electrical Parts List (Page 55)

INCORRECT			CORRECT		
REF NO.	PART NO.	DESCRIPTION	REF NO.	PART NO.	DESCRIPTION
Q550	8-729-119-78	TRANSISTOR 2SC2785-HFE	Q550	8-729-422-27	TRANSISTOR 2SD601A-Q

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